

<110> Rosen et. al.

<120> 89 Human Secreted Proteins

<130> PS751P1

<140> Unassigned

<141> 2004-02-09

<150> 60/311,085

<151> 2001-08-10

<150> 60/325,209

<151> 2001-09-28

<150> PCT/US02/25107

<151> 2002-08-08

<150> 60/330,629

<151> 2001-10-26

<150> PCT/US02/33985

<151> 2002-10-24

<150> 60/331,046

<151> 2001-11-07

<150> PCT/US02/35606

<151> 2002-11-06

<150> 60/358,554

<151> 2002-02-22

<150> PCT/US03/04819

<151> 2003-02-20

<150> 60/358,714

<151> 2002-02-25

<150> PCT/US03/04818

<151> 2003-02-20

<160> 396

<170> PatentIn Ver. 2.0

<210> 1

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1

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tctcccgga	tcctgaggtc	acatgcgtgg	tggtggacgt	aagccacgaa	gaccctgagg	180
tcaagttcaa	ctggtacgtg	gacggcgtgg	aggtgcataa	tgccaagaca	aagccgcggg	240
aggagcagta	caacagcacg	taccgtgtgg	tcagcgtcct	caccgtcctg	caccaggact	300

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ggctgaatgg caaggagtag aagtgcaagg tctccaacaa agccctccca acccccatcg 360
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catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctgggtc aaaggcttct 480
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540
ccacgcctcc cgtgctggac tccgacggct ccttcttct ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
gactctagag gat 733

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<210> 2
<211> 5
<212> PRT
<213> Homo sapiens

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<220>
<221> Site
<222> (3)
<223> Xaa equals any of the twenty naturally occurring L-amino acids

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```

<400> 2
Trp Ser Xaa Trp Ser
1 5

```

```

<210> 3
<211> 86
<212> DNA
<213> Artificial Sequence

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```

<220>
<221> Primer_Bind
<223> Synthetic sequence with 4 tandem copies of the GAS binding site
found in the IRF1 promoter (Rothman et al., Immunity 1:457-468
(1994)), 18 nucleotides complementary to the SV40 early promoter,
and a Xho I restriction site.

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```

<400> 3
ggcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
cccgaatat ctgcatctc aattag 86

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<210> 4
<211> 27
<212> DNA
<213> Artificial Sequence

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<220>
<221> Primer_Bind
<223> Synthetic sequence complementary to the SV40 promoter; includes a
Hind III restriction site.

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<400> 4
gcggcaagct ttttgcaaag cctaggg 27

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```

<210> 5
<211> 271
<212> DNA
<213> Artificial Sequence

```

<220>
 <221> Protein_Bind
 <223> Synthetic promoter for use in biological assays; includes GAS binding sites found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)).

<400> 5
 ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
 aaatatctgc catctcaatt agtcagcaac catagtccccg cccctaactc cgcccatccc 120
 gccctaact ccgccagtt ccgccattc tccgccccat ggctgactaa ttttttttat 180
 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
 ttttgagggc ctaggctttt gcaaaaagct t 271

<210> 6
 <211> 32
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Xho I restriction site.

<400> 6
 gcgctcgagg gatgacagcg atagaacccc gg 32

<210> 7
 <211> 31
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Hind III restriction site.

<400> 7
 gcgaagcttc gcgactcccc ggatccgcct c 31

<210> 8
 <211> 12
 <212> DNA
 <213> Homo sapiens

<400> 8
 ggggactttc cc 12

<210> 9
 <211> 73
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic primer with 4 tandem copies of the NF-KB binding site

(GGGGACTTTCCC), 18 nucleotides complementary to the 5' end of the SV40 early promoter sequence, and a XhoI restriction site.

<400> 9
gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg 60
ccatctcaat tag 73

<210> 10
<211> 256
<212> DNA
<213> Artificial Sequence

<220>
<221> Protein_Bind
<223> Synthetic promoter for use in biological assays; includes NF-KB binding sites.

<400> 10
ctcgaggga ctttcccgga gactttccgg ggactttccg ggactttcca tctgccatct 60
caattagtca gcaaccatag tcccgcccct aactccgccc atcccgcccc taactccgcc 120
cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
cttttgcaaa aagctt 256

<210> 11
<211> 1893
<212> DNA
<213> Homo sapiens

<400> 11
caccaccccc tgtcccctgg attaatgcag ttgcctccaa ctgggtctccc tgcttctgat 60
cttactcctt acagatgatt cccgccatgg cagctctttt ggaatgcacc ttaggttatg 120
ccattctctt gctcagcacc ctttaggggc tttgccccgg ctcccatttc tcgctgcctt 180
gttggcccta gtgacactgg cttacttcag gctcatctcc tctcagggcc tgtgcacttt 240
ctccctctgc ttggaatgcc ctttccctga tgtctgacct gcttatgcca cctgtacttc 300
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cctgctatga agcccaccca atgctctgtg ttacaggatt catttttatt gtctgtctcc 420
ccactagggg gtaattgctc tgagggcagg tacttccaca agtggttggg gaagggaatga 480
gtgaatggca caggggcggga gcacagtga tgttttttgt tcaaatagga agcaatgata 540
ccaaataaaa accaggtagc attgtctcag cagctgcagg aacagtgcta tgtgctgaag 600
aagaattggg gatcttgagg cctaggcaca ctctttcagt cttctgatgg ccattgtggc 660
ttttgagggg gcagcttckg tgkgtgatgg ggacaaaacc cacagtgcaa ggctctgggg 720
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aggtagggcg ctagtttgag tagtttgagg ccaaagcagg gtggaaggac ggcgggtggg 840
gtttttatag gatcaaacag attttgacaa aatgaaacaa aagctatctg acaaaagggg 900
agattgaata aatatgctgg atatgtacac aggttaaagt gtttccatca catgcagcca 960
gttcctgctt agttccatgt gagttaggca ctgtgaggga cggtcggtgg cagagtttta 1020
attccaggcg agtacagcag ccgggctgct tcctctattg ctcaactgat gtgtgttcag 1080
aggatccaaa ctcatctcac tgtcattcta aggaaaacat catggacaat gtaaatTTTA 1140
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gccatgcctt agggatgcct gtgaatgcac taacaacaaa taaagggaat cttttctggt 1500
ttttcctttt attcccggca agctgtgaga taagagcact ctctgaactt ttgccggggc 1560
cagcgtgggtg ctgggaattt tcgtgcctgt tacgccactt ctgtcatcca tctgacatca 1620

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catgtctggc	caggcgcggt	agctcacgcc	tgtaatccca	gcactttggg	aggctgagaa	1800
gggcgggatca	cttgagggtcg	ggagtttgag	accagcctgg	ccaacatggt	aaacctcgtc	1860
tctattaaaa	atacaaaaata	aggccggggcg	cgg			1893

<210> 12
 <211> 993
 <212> DNA
 <213> Homo sapiens

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ctatccacag	cacaagtgag	gcagacacag	aaccctgtgt	ggatggctgg	gtatatgatc	180
aaagctactt	cccttcgacc	attgtgacta	agtgggacct	ggtatgtgat	tatcagtcac	240
tgaaatcagt	ggytcaattc	ctacttctga	ctggaatgct	ggtgggaggg	atcatagggtg	300
gccatgtctc	agacaggttt	gggcgaagat	ttattctcag	atgggtgtttg	ctccagcttg	360
ccattactga	cacctgcgct	gccttcgctc	ccaccttccc	tgtttactgt	gtactacgct	420
tcttggcagg	tttttcttcc	atgatcatta	tatcaaataa	ttctttgccc	attactgagt	480
ggataaggcc	caactctaaa	gccctggtag	taatattgtc	atctggtgcc	cttagtattg	540
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ggtggttgat	aatcaccaat	aaactagatg	agggcttaaa	ggcacttaga	aaagttgcac	720
gcacaaatgg	aataaagaat	gctgaagaaa	ccctgaacat	agaggttgta	agatccacca	780
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ccagtatgcg	taaaaggatc	tgtatcctgg	tatttttgag	aaaaaaaaat	ctcaaggaaa	900
aggcataaaa	atgattgcta	cacaaaagtg	accaaatttt	aagaagcctt	catgagctga	960
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<210> 13
 <211> 643
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (602)..(602)
 <223> n equals a,t,g, or c

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cctagaatct	ataaaacaaa	actgagaact	tcagagggtgc	atccagagaa	gccacactcc	120
aaaaggacca	cttccagacg	ccatgcggca	aaccctaccg	ctgctgctgc	tgacgggtgct	180
gcgccccagc	tgggcagacc	ctccccagga	gaagggtccc	ctcttccggg	tcactcagca	240
gggcccctgg	gggagcagtg	gcagcaacgc	caccgactcg	ccctgcgagg	ggctgccccgc	300
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gctggccgct	ctgcgcgct	gcgcggggcc	cgcgctgagc	agcttccgcg	ccctggcgct	600
cngccggaat	cgcgtgcggg	cgctgcagcc	ccgggccttc	gcc		643

<210> 14
 <211> 1205
 <212> DNA
 <213> Homo sapiens

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<400> 14
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atagtttttg ctggtgaacg gtgatttctg tccaagtgca gatttccgtt tgaataaagc 1140
ttcgcttyta ggtggccaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaag 1205

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<210> 15
<211> 537
<212> DNA
<213> Homo sapiens

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<400> 15
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acaagaaggc cttgcctgca cgatctcact atgtcttgct tttgtgacat catctccttc 120
cattctctct cttggctcgt ggttttattg cttcttctca aaccaccaac tttatccact 180
tcaggatctt tatacaaatt cagtctactt gcaacatttc cccctcagat ctttcatatt 240
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gaaattatgt tatttatatt gatacttgct ttctatccta cccaactcc gcagaaaata 420
aacactctga ggccaaaaaa aaaaaaaaaa aaaaaaaaaa aaamamaaaa aaaaaaaaaa 480
aggggggggg gcccgcacaaa aggaaccccc tttttcccgg ggggccccaa aatttttt 537

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<210> 16
<211> 2826
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (2817)..(2817)
<223> n equals a,t,g, or c

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<400> 16
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cgaagccagc gtcgggggct gcggcggtgt ggctctggcg ttgctcgccc tggccctgtg 180
cgtgcccggg gcccggggcc gggctctcga gtggttctcg gccgtggtaa acatcgagta 240
cgtggaccgg cagaccaacc tgacgggtgt gagcgtctcg gagagtggcc gcttcggcga 300
cagctcgccc aaggaggggc gcgatggcct ggtgggcgtc ccgtgggcgc ccggcgagaa 360

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cctcgagggc	tgcgcgcccc	acacgcgctt	cttcgtgccc	gagccccggc	gccgaggggc	420
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aaaattataa	atttattttt	atagccatat	gtaggatata	aagattttata	tagattattt	2520
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gggccc						2826

<210> 17
 <211> 1508
 <212> DNA
 <213> Homo sapiens

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tgctgtccat	gacctccttt	ttgaaaccat	ctcctcccat	ggcctccatg	tccagtccctc	180
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aataattatt	tctgtaatga	gtaaatggat	caatgtgtaa	ttatacagt	atctacttgc	660
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<212> DNA

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 <213> Homo sapiens

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 <212> DNA
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<400> 32

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 <211> 791
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 <213> Homo sapiens

<400> 34						
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<210> 35
 <211> 1834
 <212> DNA
 <213> Homo sapiens

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<210> 36
 <211> 3289
 <212> DNA
 <213> Homo sapiens

<400> 36

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<210> 37
 <211> 923
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (6)..(6)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (908)..(908)
 <223> n equals a,t,g, or c

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<210> 38
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 38
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 gaaaaaaatt acacagaata taaaatagaa agataaagaa aaaaaaaaaa aaaag 655

<210> 39
 <211> 975
 <212> DNA
 <213> Homo sapiens

<400> 39

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 <211> 1778
 <212> DNA
 <213> Homo sapiens

<400> 40	
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tcccggcagt	acggctcgga
caaactctgtc	tgcaactcaa
gtgcatctcg	acatccaggt
gataagctga	cggagctaca
cagaaggagc	agattaccac
tgacctttat	accactata
atggaatgag	aagtattggg
cactcttggt	gcccattgctg
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<210> 41
 <211> 516

<212> DNA
 <213> Homo sapiens

<400> 41
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<210> 42
 <211> 1319
 <212> DNA
 <213> Homo sapiens

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 <221> misc_feature
 <222> (49)..(49)
 <223> n equals a,t,g, or c

<400> 42
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<210> 43
 <211> 1556
 <212> DNA
 <213> Homo sapiens

<400> 43
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 cactcctctc ccaattattg gcaattacca cctgatagat atgaaggaca ttggccagtg 180

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<210> 44

<211> 995

<212> DNA

<213> Homo sapiens

<400> 44

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<210> 45

<211> 408

<212> DNA

<213> Homo sapiens

<400> 45

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<210> 46
 <211> 2097
 <212> DNA
 <213> Homo sapiens

<400> 46						
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<210> 47
 <211> 1002
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (991)..(991)
 <223> n equals a,t,g, or c

<400> 47

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<210> 48

<211> 2139

<212> DNA

<213> Homo sapiens

<400> 48

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<210> 49
 <211> 940
 <212> DNA
 <213> Homo sapiens

<400> 49						
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<210> 50
 <211> 705
 <212> DNA
 <213> Homo sapiens

<400> 50						
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<210> 51
 <211> 1018
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n equals a,t,g, or c

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<210> 52
<211> 2046
<212> DNA
<213> Homo sapiens

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<400> 52
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<210> 55

<211> 2894
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 425
 <212> DNA
 <213> Homo sapiens

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aaaaa						425

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 <211> 1307
 <212> DNA
 <213> Homo sapiens

<400> 58

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 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 59

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<210> 60
 <211> 597
 <212> DNA
 <213> Homo sapiens

<400> 60

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<210> 61
 <211> 1594
 <212> DNA
 <213> Homo sapiens

<400> 61
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<210> 62
 <211> 1202
 <212> DNA
 <213> Homo sapiens

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 <221> misc_feature
 <222> (750)..(750)
 <223> n equals a,t,g, or c

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ca						1202

<210> 63
 <211> 894
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<400> 63						
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gccagagccc	ctgctactgc	cacatgtttg	caccctctga	ctatcggacc	atgatcatca	120
gcaccatcgg	tgaatttgct	ttgaatcctt	taaatatact	gggcatcaat	ttcctgggaa	180
gacggctgag	ctcttctatt	accatgggat	gcacggcttt	attctgcctt	ctcctcaaca	240
tttgcacttc	aagtgcgggc	ctgattggct	tcctcttcat	gctgagggct	ctggtagctg	300
caaacttcaa	caccgtctac	atttacacag	ctgagggtcta	ccccaccacg	atgcgcgctt	360
tggggatggg	aaccagcggc	tcctgtgtgc	gcattgggtgc	aatgggtggca	ccatttata	420
cccaggttct	tatgagtgc	tcaatactgg	gggcccctgtg	tctcttctca	tctgtctgtg	480
ttgtatgcgc	catttctgca	ttcactctcc	ccatcgaaac	caaaggacgg	gccctccagc	540
aaattaaatg	aagacctgca	aagctatgtc	taccagatga	gaaaaatgaa	ttctatcttc	600
agaactgcgg	tgcatttttt	taaaacttgg	ttttacttct	gtatgctact	cggtaattag	660
taaagtgatt	ttttttttaa	aggcatatat	gggaatgggg	taggtaactg	tatattgatc	720
tcttccttga	ggaacaatat	ataaagtact	tttataaaat	ataatttaag	ctttcaaagg	780
ggtgtgagag	ggagatgggtg	gggggggaaga	tggcttttct	tcgttgaaat	caagtctgta	840
aacctttata	tgaataaata	ctaaatttta	aacttaaaaa	aaaaaaaaaa	gggc	894

<210> 64
 <211> 972
 <212> DNA
 <213> Homo sapiens

<400> 64						
ccacgcgtcc	gggaaaagag	actgatcgct	gaatatggaa	tgccatccac	ccacgccatg	60
gcggccactg	ccattgcctt	caccctcctt	atctctacta	tggacagata	ccagtatcca	120
tttgtgttgg	gactggtgat	ggcgtgggtg	ttttccacct	tgggtgtgtct	cagcaggctc	180
tacactggga	tgcatacggt	cctggatgtg	ctgggtggcg	tcctgatcac	cgcactcctc	240
atcgtcctca	cctaccctgc	ctggaccttc	atcgactgcc	tggactcggc	cagccccctc	300
ttccccgtgt	gtgtcatagt	tgtgccattc	ttcctgtgtt	acaattaccc	tgtttctgat	360
tactacagcc	caaccggggc	ggacaccacc	accattctgg	ctgcgggggc	tggagtgacc	420
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gttattcaga	acatcccacc	gtcaccacc	tacatgttag	ttttgggtct	gaccaaattt	540
gcagtgggaa	ttgtgttgat	cctcttgggt	cgtagcttg	tacaaaatct	ctcactgcaa	600
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attgaagtgc	cttacaagtt	tgttaacctac	acatctgttg	gcatctgcgc	tacaaccttt	720
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cactggacat	gaaagccaag	acataggaaa	gttattggta	ggcaaatctt	gacaacttat	840
ttttctttta	caacaacaaa	aagtcatacg	gctgtcttgc	tactaccaga	ttaatgatgc	900
tgtgtgtgta	aaggaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	960
aaaaaaaaaa	aa					972

<210> 65

<211> 726
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (627)..(627)
 <223> n equals a,t,g, or c

<400> 65
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 cgagggcgcc cccgggcgct gggggccgcc gcgctgttgc tgctgctgcw gcwgctyggg 120
 ttctctckgt tcgggtgggga cctgggggtgt gagcgccgcg agcctggcgg gcgagcgggg 180
 gccccgggat gcttccccgg cccgctcatg ccacgtgtcc cccagacgg gaggtgcgg 240
 agagccgccg ccctcgacgg agaccggggg gccggccccg gggaccacaa ccgctccgac 300
 tgcggcccg agccgccgcc gccgccaag tgcgaggtag gtgcgcgcgg ccctggcggc 360
 gggagtcctg ggggcgcgcg ccccgagccc kttctcttgg acatctgcgg gaatcacagt 420
 acctggcgct tgtccagcac tggccagccg gctggggcgc acctcgaacg tgcagctcct 480
 ctgctcccg cctcatttcc ccatttgaaa tgaagggttg gctcctgctg cccctccgcg 540
 acactgttcc ggggtgtgct gcgggggtggg gcagctcaac atgggtcctc accgcctagc 600
 ggagaagggg ggctgctgcc gacctgnccg cccctcccca gctcttgcag gtggccatcg 660
 tgtgtgcggg gcataactcc agccgagacg tcatcacctt ggtgaagccc atgctcttct 720
 acaggt 726

<210> 66
 <211> 1753
 <212> DNA
 <213> Homo sapiens

<400> 66
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 tttatctacc tttggctctt gatgatgggt acctacagat ggggttttgg tgtggatatc 180
 ctttttgggt atgttgcagc tattccttcc tgtttgttag tttccttct aacagtcagg 240
 tccctcagtg gcaggctctg tggagttgct ggagggtccac tcccgacact gtttgcctgg 300
 gtatcaccag tggaggctgc agaacagcaa atattgtaga acagaataga ttgctgcctg 360
 atcccttccc cgggaagcttt gtcccatagg tgcaacctgc tgtatgaggt gtctgttggc 420
 ccctacttgg aggtgtctcc tagttaggcc tacatggggc tcaggggacc acttgaggag 480
 gcagtcctgc cattctgaga actcaaacac catgctggga gaaccactgc tctcttcaga 540
 gctgtcaggc agggacgttt aggtctgcag aagtttccat tgccctcttg tcagctatgc 600
 cctgccaca gaggcggagt ctgtagaggc tgtaggcctt gctgagctgt ggtagctcc 660
 gccagtttg agcttcttgg ctgctttgtg tacctactca agcctcagca atgggtggaca 720
 cccctcccc cgccagactg ctgcctcgca ggtcaatctc agactgctgc actagcagtg 780
 aggaaggctc tgtggaagtg ggaccaccca agccaggcat gggagagtat ttcttggctc 840
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 aggtatggtc tgtcacatct tttcttagct agggaaaggg aatcccccca ccccttgcac 960
 ttcttgggtg aggcgacacc ccacctgtt tcacctgcc ctccatgggc tgcactcact 1020
 gtccaaccag tcccaatgag atgaaccagg tacctcagct ggaaatgcag aaatcaccgc 1080
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 gaattggaca tatttgttta aaatttttag ttaagcttcc tctatccaac tctttccaag 1200
 tacaacacaa ctggtgaata tgcataaaca agctaattgt ttataactga agctgttttc 1260
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 ctgattcaat caagtgaag aaaggatatt ggtgattgaa gatcaaatta gagaaataaa 1500
 gcaagaaaag aagtttagag aaaaagagta aaaagaaatg aatgaagcct ccaagaaata 1560
 tggaactatg tgaaacgacc aaatctacat ttgattgggtg tacctgaaag tgatggggag 1620

aatggaacaa	agttggaaaa	cacttttcag	ggtattatcc	aggagaaactt	ccccaatcta	1680
gcaaggcagg	caaacattca	aattcaggaa	atacagagaa	cgccacaaaag	atactcctcg	1740
aggggggggcc	cgg					1753

<210> 67
 <211> 1079
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1021)..(1021)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1024)..(1024)
 <223> n equals a,t,g, or c

<400> 67						
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cacatggctt	ggtggccgaa	ctccacgtgc	tggctcctca	cagctgtcac	catggccttg	180
gctacccgct	gcgtccctca	ggagctgcca	tcaggttctg	aggtgcctgg	tctggaggca	240
gtccagggtg	tgagggtctg	actggctgga	ccccaccgat	gctcctgccg	tcaccccgtc	300
ctggccctca	ctggaggcag	ggacactcag	gggcccgggg	cctcggggcc	agtgtctcag	360
tggccgccgt	tgtcttcaca	gcgggtccag	gcctggcttc	tgaaggcaat	gtgcctgcgt	420
ctcacactca	aaagggcctg	ccaggctgca	cctggcgcca	gctccacagg	gggacgatgt	480
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agacgcggca	aaggcagggc	cggggagggg	ccgtgtgggg	cctgggtggc	ggcagaggaa	840
gggtctgtgc	tcctcctgcg	tgtggtggca	ccggagcgcc	tmccagttcc	tgggtgtacc	900
gcaccagccg	cctcccagtg	agcatctcca	cgtgtgcgga	camcagcttt	gttgaggtag	960
aacttaccak	actcacctgt	taaaagagtg	cagtttggtc	actcttagtg	gtttgtagag	1020
ntgngcagcc	gtcattgcaa	tccagcggtg	cagcattcca	cagccacag	gtaccccca	1079

<210> 68
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 68						
gggtgcgcac	gaggccctgt	attcagtcac	cggggagcac	tgccttacgc	tccagaagcg	60
caaaggcttc	gtgcgcctgg	cgctgaggca	cgggctcctg	gcagcattgg	tgccagctca	120
ccttcaagaa	gctcatgggc	ttctctcctt	gcattctctg	gggtcgcggt	ctcttctcag	180
ccacctcctg	gggcctgctg	ccctttgctg	tgcccatcac	cactgtggtg	ggccgccccca	240
tccccgtccc	ccagcgcttc	cacccaccg	aggaggaagt	caatcactat	cacgcccctct	300
acatgacggc	cctggagcag	ctcttcgagg	agcacaagga	aagctgtggg	gtccccgctt	360
ccacctgcct	caccttcac	taggcctggc	cgcggccttt	cgctgagccc	ctgagcccaa	420
ggcactgaga	cctccacca	ctgtggactc	catgcctcca	ataaaaaggta	gttctggggcc	480
caaaaaaaaa	aaaaaaaaaa	aaaaaaag				507

<210> 69
 <211> 580

<212> DNA
 <213> Homo sapiens

<400> 69
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 aaaactctgt cggtagcaac cccagagcgt tgagagcagc ccacctccac gcttccttaa 120
 cggagagggtg caggactcag acttcaccag cccactcggg cccagccttg tacgcaaaga 180
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 cctgcgtgca gcactcggcc ggcggtgcagc atgacctgtt ggaacggcgt actgcctttt 300
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 tatctgcatt cccacctcct cccctcggag atcaggctgg ggctccctc ttctgaggga 480
 ggtgacccct gcgtgcctag cacttctgga ctactgagc ctcaccaagc agtgactgga 540
 ccaggaggca gaaccaggac caggcgccag acagctaggg 580

<210> 70
 <211> 1386
 <212> DNA
 <213> Homo sapiens

<400> 70
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 ttgccctggg gctgcttggg catgtgaatg gagccacagt aagaaatgag gacaaatgga 120
 agccactcaa caacccaga aacagagatc tgtttttcag aaggcttcag gcatatttta 180
 agggcagagg tcttgatctt ggaacatttc caaatccttt cccacgaat gaaaatccta 240
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 aaaactcctt tcacaattat ctcaaaggct gaaagtctt tctgagctca ggtgtctggc 360
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 ctttcatgga gtttctttcc cctcactttt tatttttcag tttgtaatga ttttattcca 480
 catttccata ttacatata aatcgctgga actatgattt ctatgcata tttatggagt 540
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 atgctcactt ttagtatagt aaaattcatt atatgtgata gaggggtggg tttaaaattt 780
 gtcttccttt cctaaaaaga agatgcattc ccatgttcag catacactac caaaatactt 840
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 tggaagcaaa caacaacaac aaacatggga ttctagaagt tgtcaacgcc tccaaagatg 960
 ctctttgcca gagtattcag aggtggacat tgtgccacat caaatattct agcaatgcc 1020
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 ctgtgattcc tgcaaaagga atgttgacat aaaatgcaac attgtcctaa cattagtctg 1260
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 aataaaatat ttgtgcaaga acaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
 aagggc 1386

<210> 71
 <211> 813
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n equals a,t,g, or c

<400> 71

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ctaccagagg	tgggatccct	ggccccgacc	tctgtcctga	cacgccccaa	gcggcagcaa	120
caaagcccca	attggccttg	gcctgggcag	gaggagctgg	gccgggtgcc	agatactggg	180
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gctcctcctg	gtcaccagcc	tgggtggtgt	gctgctgtgg	gaggcagggtg	cagtcccagc	300
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ggcctggggc	gcccgtgtgg	tggagcctcc	ggagaaggac	gaccagctgg	tgggtgctgtt	420
ccctgtccag	aagccgaaac	tcttgaccac	cgaggagaag	ccacgaggtc	agggcagggg	480
ccccatcctt	ccaggcacca	aggcctggat	ggagaccgag	gacaccctgg	gccgtgtcct	540
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ggagaggccc	cggttgtggg	tgatgccaaa	tcaccaggtg	ctcctgggac	cggaggaaga	660
ccaagaccac	atctaccacc	cccagtaggg	ctccaggggc	catcactgcc	cccgccctgt	720
cccaaggccc	aggctgttgg	gactggggacc	ctccctaccc	tgccccagct	agacaaataa	780
accccagcag	gccgggmaaa	aaaaaaaaaa	aaa			813

<210> 72
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)..(6)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (684)..(684)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (734)..(734)
 <223> n equals a,t,g, or c

<400> 72						
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ccggttccgg	aatycccggg	kogaacccca	aggrrttcgc	ggaccccaga	catgaggagg	120
ctcctcctgg	tcaccagcct	ggtggttgtg	ctgctgtggg	aggcagggtgc	agtcccagca	180
cccaagggtc	ctatcaagat	gcaagtcaaa	cactggccct	cagagcagga	cccagagaag	240
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cctgtccaga	agccgaaact	cttgaccacc	gaggagaagc	cacgaggcac	caaggcctgg	360
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taccaccctc	cgctgagga	ggaccagggc	gaggagaggc	cccggttgtg	ggtgatgcca	480
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ccctccctac	cctgccccag	ctagacaaat	aaaccccagc	aggccggggcg	cgggtgctmac	660
ttgtatccag	acttttagagc	cagnagcgat	actaatagag	tcaacagctg	cactgtaacc	720
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<210> 73
 <211> 1734
 <212> DNA
 <213> Homo sapiens

<400> 73						
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ttcctggaag	gtcaaattgc	catcctctat	gtctgtggcc	ttgcctctac	agtcctcttt	420
ggcctagtgg	cctcctccct	tgtggattgg	ctgggtcgca	agaattcttg	tgtcctcttc	480
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tatatccatg	agcacgtgga	acggcatgac	ttccctgctg	agtggatccc	agctaccttt	660
gctcgagctg	ccttctggaa	ccatgtgctg	gctgtagtgg	cagggtgtggc	agctgaggct	720
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cagatctctc	tgtgactgac	tttgtgactg	tcctgtgggt	tctcctgcca	ttgctttgtg	1620
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ttactcccat	ttagaaaata	aacactttta	aatgataaaa	aaaaaaaaaa	aaaa	1734

<210> 74

<211> 1743

<212> DNA

<213> Homo sapiens

<400> 74

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gcttcggcgc	cagcggccag	cgctagtcgg	tctggtaagg	caaagcggag	cggagatcct	180
caaacggcct	agtgtctcgc	gcttcgggag	aaaatcagcg	gtctaattaa	ttcctctggt	240
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ttcctgttga	gtacacgttc	ctgttgattt	acaaaagggtg	caggatagag	caggctctgaa	360
gactaacatt	ttgtgaagta	aaacagaaaa	cctgttagaa	atgtgggtgg	ttcagcaagg	420
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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (27)..(27)
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<220>
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 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (56)..(56)
 <223> n equals a,t,g, or c

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<210> 76
 <211> 1803
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1555)..(1555)
 <223> n equals a,t,g, or c

<400> 76						
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<210> 77
 <211> 4165
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 78						
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 <212> DNA
 <213> Homo sapiens

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 <211> 2415
 <212> DNA
 <213> Homo sapiens

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tggacatgat	gaatacaaat	aagatctact	caaagtactt	caaacaaaaa	ataaataatt	1920
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gagagaagag	cattctcaat	aaccgggcaa	agttcccagg	gatgactctg	atattgtctat	2220
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tggccaggg	ctggggctac	atatacaagt	ctaggggaag	aaattgagct	ttaatcccct	2340
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<210> 81
 <211> 1230
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1140)..(1140)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1191)..(1191)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1200)..(1200)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1219)..(1220)
 <223> n equals a,t,g, or c

<400> 81
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 tcccagagctg cgctaggcgg gcgccacggc tgcccggcga aggaaaccga aaccgagtcc 120
 gggcccgctc ctccgcggcc ccatccgccc ggtgcacccg gggycgcgct cgccaggccg 180
 cggagccag agctgcgcgc acgaaccgtg cgccgggagg gcgtgggctg ggcgcgaag 240
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 gggtagcgcc cggcccgcc cgtgagcggc gcacagaatg ggccgatgct gcttctacac 360
 gggggggcag ttgtccctgc tctgtctggt gaccagcgtc acgctgctgg tggccgggt 420
 cttccagaag gctgtagacc agagtatcga gaagaaaatt gtgttaagga atggtactga 480
 ggcatttgac tctgggaga agccccctc gcctgtgtat actcagttct atttcttcaa 540
 tgtcaccaat ccagaggaga tctcagagg ggagaccct cggtggaag aagtggggcc 600
 atacacctac agggaaactca gaaacaaagc aaatattcaa tttggagata atggaacaac 660
 aatatctgct gtttagcaaca aggcctatgt ttttgaacga gaccaatctg ttggagaccc 720
 taaaattgac ttaattagaa cattaataat tctgtattg actgtcatag agtgggtcca 780
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 tgtggaatgg aatgggaaaa cgtgcacttg actgggtggt aacagacaag tgcaatatga 1080
 ttaatggaac agatggagaw tcttttcacc cactaatamc caagrtgagg kccyttawgn 1140
 cttcccatct gactttttgc aggcaaggga tattactttc aagggactat naaaagtgtg 1200
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<210> 82
 <211> 623
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (577)..(577)
 <223> n equals a,t,g, or c

<400> 82
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 gcccatagtt ggagcctacc acccatctga gagtgggcgc cattcctcaa ggctgtgtag 120
 ctaakgaktg gcaggccctt gaccctggc ctgtctctgt ctctgttgag cagtgcaggt 180
 gtcccatccc atctccctgt gcattaggcc ccctaacaca cacaaacctg tagtatattt 240
 ggtaggcagt gccaccccaa agtggctggc tcttgcctg cctgcccac tcggcagaat 300
 gggcattgtg aggttggggc tgctgtgctt aaaggtctca gtctgttcg ttgttttagt 360
 cagctgccac agctcttgca tgatctgggg gtgcagaaaa gacttgcaat tgaccctgc 420
 cctcatgaca cagattgtca cagtcttcca gggtaggacc agcttctgc aagggatgg 480
 ggtgggtggc agcagatccc agacacctgt gtgggccagg ctgcagagca gggtaggggc 540
 tgtgaggggc tggccgggag ggaggtgcat caccgngcc ttgtgctgtt agctttcaga 600
 gacagcctat ggtaatgaca agc 623

<210> 83
 <211> 638
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (624)..(624)

<223> n equals a,t,g, or c

<400> 83

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aagctgtgac	ctatttttaa	tggtgctttt	tcaggtaaag	agataaatatt	acatgctgtg	120
taatattaty	cwttgctgta	taaatggatg	aagaagaatt	tataaatcc	agacctactt	180
agcattttca	tgctctttat	aattactaaa	agtctatcac	tatttgagtc	acagggttaac	240
ttaaaaaaat	taaagaatcc	aaaactgtat	ttttgttcta	ccaattcctc	ttcacatgca	300
cacctttaca	ttattttctg	taaatcctgt	tttactttgg	gttttttttt	ttcttctttc	360
ttttttcttt	ttttttttta	agagacatag	tcttgctctg	ttgcccaggc	tggagtgcag	420
tggtgtgata	tcagctcact	gcacccctctg	cctcctgggt	tcaagtgagt	cttgtgcctc	480
agcctcccaa	gtagggtggga	ttatgggcat	gtgtcgtcac	acctgggctaa	tttttgtatt	540
ttagtagaga	cagggtttta	ccatgttggt	caggctggtc	tcaaactcct	gtcctcaagt	600
gatccaccca	cctgggcctc	ccanaatttt	gggatcac			638

<210> 84

<211> 653

<212> DNA

<213> Homo sapiens

<400> 84

aagtattatc	agaagtggct	caagcaacag	aaatgcaa	gttaacattt	cttttatgtt	60
ttggttttcc	attttcaact	gccttttatt	tccacgcagg	ggaacgtgag	gagaaatgcc	120
taatakwwkw	yattccaagc	gacacactgg	taacagggac	tttcaagata	cagcaatggg	180
acataggcag	acatacgttc	cttgaatctg	ctcctgggtt	gggaatgttt	gtgactatta	240
caacttacaa	tgatgagcgg	atccacttag	atattcgagt	tggagaacac	grccttgatg	300
cggccmttgc	tcaagcaaag	grcaaagtta	atgaacttwc	cttcaagctt	gaacatctaa	360
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ttygaacgac	cagtgaagat	mcaaatagca	atgttttatg	gtgggctttt	gcmcaaatat	480
taatctttat	ctcagtcgga	attttycaaa	tgaagtacct	gaaagacttc	tttatagcta	540
agaagattgt	ttwaaatatt	atcaataagg	acaaataaty	tgcataatgt	ttgagttaat	600
aatcaaaat	wcctgccaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aag	653

<210> 85

<211> 928

<212> DNA

<213> Homo sapiens

<400> 85

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accgctgcca	actgcagctc	gcgctgcctc	ctgctcgcgc	cgtgccacta	aggtcaytcc	180
cgctcccgag	agcccagagc	cgagatggaa	acggtccagg	agctgatccc	cctggccaag	240
gagatgatgg	cccagaagcg	caaggggaag	atggtgaagc	tgtacgtgct	gggcagcgtg	300
ctggccctct	tcggcggtgg	gtcgggcctg	atggagactg	tgtgcagccc	cttcacggcc	360
gccagacgtc	tgcgggacca	ggaggcagcc	gtggcggagc	tgcaggccgc	cctggagcga	420
caggctctcc	agaagcaagc	cctgcaggag	aaaggcaagc	agcaggacac	ggctcctcggc	480
ggccggggccc	tgtccaaccg	gcagcacgcc	tcctaggaac	tgtgggagac	cagcggagtg	540
ggagggagac	gcagtagaca	gagacagacc	gagaagggaag	ggagagacag	agggggcgcg	600
cgcacaggag	cctgactccg	ctgggagagt	gcaggagcac	gtgctgtttt	ttatttgagc	660
ttaacttcag	agaaaccgct	gacatctaga	actgacctac	cacaagcatc	caccaaaagga	720
gtttgggatt	gagtttttgc	gctgtgcagc	actgcattgt	catgacattt	ccaacactgt	780
gtgaattatc	taaatgcgtc	taccattttg	cactagggag	gaaggataaa	tgctttttat	840
gttattatta	ttaattatta	caatgaccac	cattttgcat	tttgaaataa	aaaacttttt	900
ataccaaaaa	aaaaaaaaaa	aaaaaaag				928

<210> 86
 <211> 1141
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (825)..(825)
 <223> n equals a,t,g, or c

<400> 86
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 gccaggccg atggcaggtc ttaacgtgtc cctctccttc ttcttttgcca ccttcaccct 120
 ctgtgaggca gccaggcggg cctccaaggc cctgctccca gtgggcgcct atgaagtctt 180
 cgccccggag gcggtgggyg cgggtgcagct cggggcctgc tkcctggaga tgaggacgct 240
 ggtcgagctc gggccctggg ctggggactt tgggcctgac ctgctgctca ccctgctctt 300
 cctgctcttc ctggcgcaag gggtcacctt ggacggggcc tcggccaacc ccacygtgtc 360
 cctgcaggag ttctcatgg ccgagsagtc tctgcctggc acgctgytga agctggcggc 420
 acaggggctg ggcattgcagg ccgcctgcac cctgaygcgc ctctgctggg cctgggagct 480
 cagtgcctg cacctgctgc agagcctcat ggcccagagc tgcagctcgg ccctgcgcac 540
 atccgtgccc cacggggcgc tkttgaggc cgcctgcacc ttttgtttcc atctgaccct 600
 cctgcacctg cggcacagtc ctcccgccta cagcgggccc gctgtggctc tgttggtcac 660
 cgtcayggcc tacacggccg gcccttacgt ctgcttcttc aaccctgccc tggccgctct 720
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 cctctgacag ggatggctct ggctgtgctg ctgcaccagg gccgncttcc ccrcttttc 840
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 c 1141

<210> 87
 <211> 1874
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1860)..(1860)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1863)..(1864)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1866)..(1869)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1871)..(1872)
 <223> n equals a,t,g, or c

<400> 87

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gtccgcccgc	ccgcccgcgc	gcccgcgcca	tgaacgcca	ggtcgtggtc	gtgctggtec	120
tcgtgctgac	cgcgctctgc	ctcagcgacg	ggaagcccgt	cagcctgagc	tacagatgcc	180
catgccgatt	cttcgaaagc	catggtgcca	gagccaacgt	caagcatctc	aaaattctca	240
acactccaaa	ctgtgccctt	cagattgtag	cccggctgaa	gaacaacaac	agacaagtgt	300
gcattgaccc	gaagctaaag	tggattcagg	agtacctgga	gaaagcttta	aacaagtaag	360
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gggggtgggca	cattgatctg	ggatcgggccc	tgaggtttgc	cagcatttag	accctgcatt	540
tatagcatac	ggtagatat	tgacgcttat	attcatccat	gccctgtacc	tgtgcacgtt	600
ggaacttttta	ttactgggggt	ttttctaaga	aagaaattgt	attatcaaca	gcattttcaa	660
gcagttagtt	ccttcatgat	catcacaaac	atcatcattc	tcattctcat	tttttaaatc	720
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atataacatg	tgayygcmgc	tttycaakgt	tagccacagk	gtatttttca	cttggwctam	1800
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tanntnnnng	nnta					1874

<210> 88
 <211> 751
 <212> DNA
 <213> Homo sapiens

<400> 88

aaagggatgc	tgctatcagt	ctttctagga	tccgggacac	agattttta	tatgaccttt	60
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acgtgtgctg	tggctcctgtg	ggtgctgctg	ggcaccctctg	caggctatgt	tgctgccaga	180
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tcttcagcag	ctattccttt	tgggacactg	gttgccatat	tggccctttg	gttctgcata	360
tctgtgcctc	tgacgtttat	tgggtgcatac	tttggtttta	agaagaatgc	cattgaacac	420
ccagttcgaa	ccaatcagat	tccacgtcag	attcctgaac	agtcgttcta	cacgaagccc	480
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gtgtttatca	ttttgggttat	tacctgttct	gaagcaacta	tacttctttg	ctatttccac	660
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<210> 89
 <211> 1080

<212> DNA
<213> Homo sapiens

<400> 89
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agattcagat ttctaaccct gcaacttttt ccaagcttta ttgccctgtg ttcacagcaa 1020
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<210> 90
<211> 1587
<212> DNA
<213> Homo sapiens

<400> 90
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cctctcttgg gtctgtgctg cagtctggcc gctgctgatc gccacaccgt cttctggaac 180
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aagttccagc gcttcacacc ttccaccctg ggcaaggagt tcaaagaagg acacagctac 480
tactacatct ccaaaccat ccaccagcat gaagaccgct gcttgagggt gaagggtgact 540
gtcagtggca aaatcactca cagtcctcag gcccatgwca atccacagga gaagagactt 600
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<210> 91
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (676)..(676)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (698)..(698)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (703)..(704)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (711)..(711)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (713)..(713)
 <223> n equals a,t,g, or c

<400> 91
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<210> 92
 <211> 1216
 <212> DNA
 <213> Homo sapiens

<400> 92
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 ggacgtgggg cccagctccc tgccccacct tgggctgaag ctgctgtctgc tctgtctgt 180
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<210> 93
 <211> 542
 <212> DNA
 <213> Homo sapiens

<400> 93						
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<210> 94
 <211> 1199
 <212> DNA
 <213> Homo sapiens

<400> 94						
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cagagaaaaag ggggggagaca cacgagaaaag aggacagaat gagaacagggt acaaaaacac 1199

<210> 95
 <211> 844
 <212> DNA
 <213> Homo sapiens

<400> 95
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 acagttaagt ctatggcaga gtcagattct tttatgtgtc taactgttgc gaagtataga 180
 cttcttatat cttatatggg gaccattaac atataacgag catgctagca tattgttgtc 240
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 <211> 614
 <212> DNA
 <213> Homo sapiens

<400> 96
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 tcatgtttgt ttcatggtaa ttttaggttt actttttcta agaaactgcc aaattgtttt 180
 ccagagtggg aatactattc cactttacca ccataaatct aacagtgggt cagtttctcc 240
 acatccttgc cagcatttga agttgtcact attttgtatt tttagcattg cttattattt 300
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 ctaatcctcc atcttgtcta tctyttagcc attctccatg ataaaggatg aatgggtcttt 540
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<210> 97
 <211> 628
 <212> DNA
 <213> Homo sapiens

<400> 97
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<210> 98
 <211> 634
 <212> DNA
 <213> Homo sapiens

<400> 98						
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<210> 99
 <211> 730
 <212> DNA
 <213> Homo sapiens

<400> 99						
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aaaaaaaaag						730

<210> 100
 <211> 2382
 <212> DNA
 <213> Homo sapiens

<400> 100						
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<210> 101
 <211> 1021
 <212> DNA
 <213> Homo sapiens

<400> 101						
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<210> 102

<211> 1552
 <212> DNA
 <213> Homo sapiens

<400> 102
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<210> 103
 <211> 599
 <212> DNA
 <213> Homo sapiens

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<212> DNA
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<400> 111

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 117
 <211> 2717
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)..(3)
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<220>
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 <222> (10)..(10)
 <223> n equals a,t,g, or c

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 <211> 1818
 <212> DNA
 <213> Homo sapiens

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<210> 119

<211> 1984

<212> DNA

<213> Homo sapiens

<400> 119

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aaag						1984

<210> 120
 <211> 1994
 <212> DNA
 <213> Homo sapiens

<400> 120
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 tactcgggag gctgagacag gagaatcgct tgaacctggg aggcagaggt tgcagtgagc 1920
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 aaaaaaaaaa aaaa 1994

<210> 121
 <211> 948
 <212> DNA
 <213> Homo sapiens

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 tagaacaat tcttgccgtc ctgaccattg aacaagagac taattagaca atggggctag 180
 aaaaacctca aagtaaactg gaaggaggca tgcattccca gctgatacct tcgggtattg 240
 ctgtagtttt catcttactt ctcaagtgtct gttttattgc aagttgtttg gtgactcatc 300
 acaacttttc acgctgtaag agaggcacag gagtgcacaa gttagagcac catgcaaagc 360
 tcaaatgcat caaagagaaa tcagaactga aaagtgtctg agggagcacc tggaaactgtt 420
 gtcttattga ctggagagcc ttccagtcca actgctattt tcctcttact gacaacaaga 480
 cgtgggctga gagtgaagg aactgttcag ggatgggggc ccatctgatg accatcagca 540
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ttcttgttta	taaccaagat	aaatgggcct	ggaatgatgt	tccttgtaac	tttgaagcaa	780
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gatggaaaaga	gaaaagaaaa	accaattaga	ataaggcaga	atgtacgtgc	gtcattggaa	900
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<210> 122
 <211> 923
 <212> DNA
 <213> Homo sapiens

<400> 122						
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cttgccgtcc	tgaccattga	acaagagact	aattagacaa	tggggctaga	aaaacctcaa	180
agtaaactgg	aaggaggcat	gcatccccag	ctgatacctt	cggttattgc	tgtagttttc	240
atcttacttc	tcagtgtctg	ttttattgca	agttgtttgg	tgactcatca	caacttttca	300
cgctgtaaga	gaggcacagg	agtgacaaag	ttagagcacc	atgcaaagct	caaatgcatc	360
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tggagagcct	tccagtccaa	ctgctatttt	cctcttactg	acaacaagac	gtgggctgag	480
agtgaaagga	actgttcagg	gatgggggcc	catctgatga	ccatcagcac	ggaagctgag	540
cagaacttta	ttattcagtt	tctggataga	cggctttcct	atttccttgg	acttagagat	600
gagaatgcca	aagggtcagt	gcgttgggtg	gaccagacgc	catttaaccc	acgcagagta	660
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aaccaagata	aatgggcctg	gaatgatgtt	ccttgtaact	ttgaagcaag	taggatttgt	780
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tgctggttca	tacaaaaaaa	aaa				923

<210> 123
 <211> 965
 <212> DNA
 <213> Homo sapiens

<400> 123						
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ctctgggggga	aaaaaaaaatag	aacaaattct	tgccgtcctg	accattgaac	aagagactaa	180
ttagacaatg	gggctagaaa	aacctcaaag	taaactggaa	ggaggcatgc	atccccagct	240
gataccttcg	gttattgctg	tagttttcat	cttacttctc	agtgtctgtt	ttattgcaag	300
ttgtttggtg	actcatcaca	acttttcacg	ctgtaagaga	ggcacaggag	tgcacaagtt	360
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cagaaagtgg	tccttgtgat	ggaaagagaa	aagaaaaacc	aattagaata	aggcagaatg	900
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aaaaa						965

<210> 124
 <211> 623
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (554)..(554)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (559)..(559)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (563)..(563)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (593)..(593)

<223> n equals a,t,g, or c

<400> 124

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tcagctgctg	atgctgaggg	ctacctggct	cacctgtgta	atgcctacma	actggtgaag	480
cggctaaaca	cagactggcc	tgcgctggag	gaccttgccct	gcaggactca	gctgcaggtt	540
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agctggccaa	agccccctgat	gaa				623

<210> 125

<211> 169

<212> DNA

<213> Homo sapiens

<400> 125

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ccaaaaaaaa	atttcccccc	cccaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	120
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaag		169

<210> 126

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (770)..(770)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (829)..(829)

<223> n equals a,t,g, or c

<400> 126

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cgccatggcc	tggtagctca	tgccttcgc	ccacggtgac	ctggcccca	gcgagggcac	180
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catcttcac	aagactgccc	aagccaccgc	cagggtgag	accctcatct	tcagcaagca	420
tgcggtgatc	gctctgcgcc	acggccgcct	ctgcttcac	ctacgtgtgg	gtgacctccg	480
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<210> 127

<211> 1334

<212> DNA

<213> Homo sapiens

<400> 127

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gcctactgga	agctctgacc	ctcgcctcag	cccgcggg	cctgcgcaag	cgacgcgtgc	180
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<210> 128

<211> 543

<212> DNA

<213> Homo sapiens

<400> 128

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ggggccttggc	cagcgcctgcc	aaaggaggcc	acggaggagc	aggagctcgt	acctggcgctc	180
tgctgacctt	cgtgctggcg	ctgcccagcg	tgcccctctg	caccttcaac	tcctatctcc	240
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tgcccacggg	ctacgaacac	ccctgaggcc	ccggacgccc	ccggacacaa	taaagggtgtg	420
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aaa						543

<210> 129
 <211> 876
 <212> DNA
 <213> Homo sapiens

<400> 129						
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gtgacctgtc	actgcctccc	gccgcctcct	gcccgcgcca	tgaccagcc	ggtgccccgg	120
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gagggagggt	tgcttgggaa	ccccaggaat	tgacctgag	ttttaaatc	gaaaataaag	840
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<210> 130
 <211> 640
 <212> DNA
 <213> Homo sapiens

<400> 130						
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<210> 131
 <211> 2717
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3) .. (3)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (10)..(10)

<223> n equals a,t,g, or c

<400> 131

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agagggtggga	ggattgcttg	gtcccaggag	ttcaagacca	gcctgtggaa	cataacaaga	2640
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aaaaaaaaaa	ctcgagg					2717

<210> 132

<211> 413

<212> DNA
<213> Homo sapiens

<400> 132
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tcaacctgag atcggtagag ccgggcatgg tggggctgaa tctccaggat cctctgcaag 180
gagcttagtt tgcccaggaa gggtagggag acaggaggct ctctaggcac gtgtgaatgc 240
tggggctggg cgaagtcaaa tcgcagagca tctatcagca ccaacacaac ccgcgaaaat 300
cggggaagcca tccagcaggc cccagggttc ccttggctcc cccatggcag ggacccaggg 360
cctgggggct cttggcagct gctatggttg gtgagctcca aacgggtgag cag 413

<210> 133
<211> 451
<212> DNA
<213> Homo sapiens

<400> 133
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ccgtcatggt ttccttttctg tggttccttct ctgatttctc ttgtctctgc tgctcacagg 180
cctgcccata agtcagtaca gatactcagt gtctggtttc tggccagctc cgtggagggg 240
gctttaagca gaattctgac tctttggggg gggggattag gaactggggg aaacttaatg 300
atccagagat tcccccaaga ggagtgtctg gaaggatctg tgcctggaca gtggcagaac 360
ctttccagtg ttcttttggg tctgatttca tcagtctcaa taaagttccg atctctcttt 420
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa g 451

<210> 134
<211> 579
<212> DNA
<213> Homo sapiens

<400> 134
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agcgaatgag gcatagctga aaaccgtgcc catggtggcc tcagtccmcm cagggtggac 180
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaag 579

<210> 135
<211> 2069
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2037)..(2037)
<223> n equals a,t,g, or c

<400> 135
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caggcggctg gtgtgcagca agctccgcgc cgaccccgga cgctgacgc ctgacgcctg 120

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ccctgggaag	acggtcatcg	tgacgggcgc	caacacaggc	atcggaagc	agaccgcctt	300
ggaactggcc	aggagaggag	gcaacatcat	cctggcctgc	cgagacatgg	agaagtgtga	360
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<210> 136
 <211> 1227
 <212> DNA
 <213> Homo sapiens

<400> 136						
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aaaaaaaaaa	aaaaaaaaag	tcgacgc				1227

<210> 137
 <211> 1022
 <212> DNA
 <213> Homo sapiens

<400> 137						
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ga						1022

<210> 138
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 138						
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaacag		228

<210> 139
 <211> 932
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (847)..(847)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (855)..(855)
 <223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (874)..(874)

<223> n equals a,t,g, or c

<400> 139

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<210> 140

<211> 1745

<212> DNA

<213> Homo sapiens

<400> 140

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ccaaggccag	ttatctctcc	aaaacacgac	ccacaagagg	acctcgcat	aaagtatttt	1680
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cggcc

1745

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<211> 627
<212> DNA
<213> Homo sapiens

<400> 141
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<210> 142
<211> 1344
<212> DNA
<213> Homo sapiens

<400> 142
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<210> 143
<211> 1644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1625)..(1625)
 <223> n equals a,t,g, or c

<400> 143

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<210> 144
 <211> 3264
 <212> DNA
 <213> Homo sapiens

<400> 144

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<210> 145
 <211> 922
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n equals a,t,g, or c

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<210> 146
 <211> 665
 <212> DNA
 <213> Homo sapiens

<400> 146						
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<210> 147
 <211> 1142
 <212> DNA
 <213> Homo sapiens

<400> 147						
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<210> 148
 <211> 1148

<212> DNA
<213> Homo sapiens

<220>
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<222> (1013)..(1013)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1109)..(1109)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1141)..(1141)
<223> n equals a,t,g, or c

<400> 148
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<210> 149
<211> 1691
<212> DNA
<213> Homo sapiens

<400> 149
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ctcaagtttc	tgcttgggag	atcagctctg	cagagaatgg	aatgagaagt	attgggttag	900
ataggttgtt	tgtttgttgt	ttttgagacg	gagtttccact	cttggtgccc	atgctggagt	960
gcaatgccat	gatcttggct	cactgcaacc	tccgcctccc	caggctgagg	caggagaatg	1020
gcgtgagctc	gggaggtgga	gcttgcaagt	agctgagatc	gtgccactgc	actccagcct	1080
gggcgacaga	gtgagactcc	ttctaaaaaa	caaaaacaaa	acaaaaacag	tagttagggt	1140
acacacacac	aaattctagt	gattttcccc	ccagtactac	ccttgacttt	tgaaattcct	1200
gctttctcag	agtttacaac	atccttacca	aacagccttc	tccctcctta	ccacaaaaaa	1260
agaaaaaaa	gttctggggg	tgaggggaca	ctccattctt	aacatcctct	attatcccag	1320
cccaattccc	cagctctcac	tgggactagt	tgtacctatc	ttcatcattt	gggccagca	1380
tgactacctg	ttggtgcatg	agctgatctc	tcctaacccta	acagccagat	gctagtctct	1440
ggtactyaga	tgctgggctg	catcagatag	gatgcacagg	atcatcctgg	aagcttggtg	1500
acatagattc	ctgtgcaaca	ctcagatata	gtcttaatgt	agatttggtg	tgggtggtat	1560
ggtaggtaga	ataatggcct	accactctga	aacatatgra	tatgttacct	aacatgacag	1620
aagagaatta	agttgcta	cagatgactg	taaaataaat	tatcctggat	catcaaaaaa	1680
aaaaaaaaa	a					1691

<210> 150
 <211> 1719
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (102)..(102)
 <223> n equals a,t,g, or c

<400> 150						
tattaagtgc	tttcataatg	ttgtgctacc	aacaccatca	tccagctcca	gaactttttc	60
atctttctcaa	actaaaaatc	tgtacttatt	ttgttttgtt	tntgagatgg	agtctcgctc	120
tgttgcccag	gctggagcgc	agtggcgcca	tctcggtcca	ctgcaccctc	cgcctctcag	180
gttcaagcga	ttctcctgcc	tcagcctccc	aagtactggg	gattacaggc	aagtgccacc	240
atgcgtggct	cattttttgtg	tttttagtag	agactggggt	tcaccatggt	ggccaggctg	300
gtcttgaact	cctggcctca	ggcaatccac	tgccgcagcc	tcccaaagtg	ttgggattac	360
aggcgtgagc	actgcaccca	gcaaactctgt	acttattata	aacaataact	tcccgtttcc	420
ttttgtcctg	acaccaccca	ttctactttc	tgtctctatg	atcctgacta	ccctatctca	480
tataagtgga	atcattcagt	atttgtcctt	ttgtgactgg	cttatttcac	tgagtataat	540
gttctcacag	ttcatccatg	ttatagcatg	tgtcagaatt	tcttaaggct	aatattccat	600
tgtatgcatg	tgccacattt	cgctttcagt	agtcattttt	aagctctata	aaataaaatg	660
aagaaaggac	agttcacaa	ctagtaatat	ccattgccta	cctgtttttc	ttggactcct	720
gttggaaatg	gtaggatcat	gattttcagtc	ctaacagaga	tgcttgtgga	gggacagcct	780
gtccctttct	tggggcagcc	tcagtgggga	gaccatagca	ctcctaattg	agtcacagat	840
agtattccaa	aagagtttgg	tcctggagtt	gagtarctac	acgcagggag	ggacctcaca	900
acagccagac	tgttttctct	gtcacttaaa	ccctgtgttg	ccccacamag	tatcgtgaag	960
agcgcttccg	actgacgagc	gagagcacca	accagagggg	cctatgggtg	tccattgctc	1020
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aggccaagaa	gctgggtgtag	tgccctcttt	gtatgacct	tcctttttac	ctcatttatt	1140
tggtactttc	cccacacagt	cctttatcca	cctggatttt	tagggaaaaa	aatgaaaaag	1200
aataagtcac	attgggttcca	tggccacaaa	ccattcagat	cagccacttg	ctgaccctgg	1260
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aatcagaact	aaccaggac	tcagtccctg	ttcttttgcc	tcgagtgatt	ttcctctgtt	1380
tttactaaa	taagcaa	aaaactctct	ccattacctt	ctgctttctc	tttgtccact	1440
tacgcagtag	gtgactggca	tgtgccacag	agcagggcct	gcctcactgt	ctgctgggtc	1500
gttctggggt	cacttaattg	ctttgtgaat	gtaaaataag	ggcaggtcct	ggccctagag	1560
gattgagatg	tttttctata	tcttagaact	atttttggat	aaattatata	ttttccttcc	1620

tagtagaagt	gttactgcct	gtaactagct	caaaatacca	atgcagtttc	tgcatctctgg	1680
gwtttgtttw	tctttttatat	tttttttttt	tgagttttg			1719

<210> 151
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (49)..(49)
 <223> n equals a,t,g, or c

<400> 151						
aaatagtcaa	agagagtggg	agagcgaatg	agtcagggaa	acgcagtng	acttttgggt	60
ggcactgaga	cacctgggct	gagacataca	ggacagagca	tggctcgcct	acagactgca	120
ctcctgggtg	tcctcgtcct	ccttgctgtg	gcgcttcaag	caactgaggc	aggccccctac	180
ggcgccaaca	tggaagacag	cgtctgctgc	cgtgattacg	tccgttaccg	tctgccccctg	240
cgcgtgggtg	aacacttcta	ctggacctca	gactcctgcc	cgaggcctgg	cgtgggtgtg	300
ctaaccttca	gggataagga	gatctgtgcc	gatcccagag	tgccctgggt	gaagatgatt	360
ctcaataagc	tgagccaatg	aagagcctac	tctgatgacc	gtggccttgg	ctcctccagg	420
aaggctcagg	agccctacct	ccctgccatt	atagctgtct	cccgccagaa	gcctgtgccca	480
actctctgca	ttccctgata	tccatccctg	tggctgtcac	ccttggtcac	ctccgtgctg	540
tcaactgcat	ctccccctctg	acccctctaa	cccatccctt	gcctccctcc	ctgcagtcag	600
agggctcctg	tcccatcagc	gattccccctg	cttaaaccct	tccatgactc	ccccctgccc	660
taagctgagg	tcagtctccc	aagcctggca	tgtggccctc	tggatctggg	ttccatccct	720
gt						722

<210> 152
 <211> 1281
 <212> DNA
 <213> Homo sapiens

<400> 152						
cccacgcgtc	cgcccacgcg	tcgcccacg	cgtccgtggg	ctgagacata	caggacagag	60
catggctcgc	ctacagactg	cactcctggg	tgtcctcgtc	ctccttgcct	tggcgcttca	120
agcaactgag	gcaggccccct	acggcgccaa	catggaagac	agcgtctgct	gccgtgatta	180
cgtccgttac	cgtctgcccc	tgcgcgtggg	gaaacacttc	tactggacct	cagactcctg	240
cccgaggcct	ggcgtgggtg	tgttaacctt	cagggataag	gagatctgtg	ccgatcccag	300
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cgtgggcctt	ggctcctcca	ggaaggctca	ggagccctac	ctccctgcca	ttatagctgc	420
tccccgccag	aagcctgtgc	caactctctg	cattccctga	tctccatccc	tgtggctgtc	480
acccttgggtc	acctccgtgc	tgtcactgcc	atctccccc	tgacctctct	aacctatcct	540
ctgcctccct	ccctgcagtc	agagggctcct	gttcccatca	gcgattcccc	tgtttaaac	600
cttccatgac	tccccactgc	cctaagctga	ggtcagctct	ccaagcctgg	catgtggccc	660
tctggatctg	ggttccatct	ctgtctccag	cctgcccaact	tcccttcatg	aatgttgggt	720
tctagctccc	tgttctccaa	acccatacta	cacatcccac	ttctgggtct	ttgcctggga	780
tgttgcctgac	actcagaaag	tcccaccacc	tgcacatgtg	tagccccacc	agccctccaa	840
ggcattgtct	gcccagcag	ctggtaattc	catttcatgt	attagatgtc	ccctggccct	900
ctgtccctct	tttaataacc	tagtcacagt	ctccgcagat	tcttgggatt	tgggggtttt	960
ctccccacc	tctccactag	ttggaccaag	gtttctagct	aagttactct	agtctccaag	1020
cctctagcat	agagcactgc	agacaggccc	tggctcagaa	tcagagccca	gaaagtggct	1080
gcagacaaaa	tcaataaaaac	taatgtccct	ccccctctcc	tgccaaaagg	cagttacata	1140
tcaatacaga	gactcaaggt	cactagaaat	gggcccagctg	ggtcaatgtg	aagccccaaa	1200
tttgcccaga	ttcacctttc	ttcccccaact	cccttttttt	tttttttttt	gagawggagt	1260
tygctcttgg	acccacctgg	a				1281

<210> 153
 <211> 356
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (353)..(353)
 <223> n equals a,t,g, or c

<400> 153							
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ttcaaaaaaa	cagaaaagaa	aatatagttt	gattcttcat	ttttttaaat	ttgcaaactct		120
caggataaag	tttgctaagt	aaattagtaa	tgtactatag	atataactgt	acaaaaattg		180
ttcaacctaa	aacaatctgt	aattgcttat	tgttttattg	tatactcttt	gtctttttaa		240
gaccccta	agccttttgt	aacttgatgg	cttaaaaaata	cttaataaat	ctgccatttc		300
aaatttcaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aanaaa		356

<210> 154
 <211> 624
 <212> DNA
 <213> Homo sapiens

<400> 154							
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tgtggagaca	gagatctgca	agaggggaacc	tccctcctgg	accactcct	ctcccaatta		120
ttggcaatta	ccacctgata	gatatgaagg	acattggcca	gtgccttact	aatttttcta		180
aaatatatgg	ccctgtgttc	actctgtatt	ttggctcaca	gcctattgtg	atattacatg		240
gttatgaggc	aatgaaagaa	gccttcattg	actatggaga	agagttctct	ggaagaggaa		300
ggattccggt	ttttgacaaa	gtttctaaag	gaaagggcat	tggttttagc	catggaaatg		360
tatggaaagc	cacaagggtc	ttcacagtca	ataccttgag	gaacttgggc	atgggaaaaa		420
ggaccattga	gaccaaagtg	caagaggaag	cacagtggct	catgaaggaa	ctgaagaaaa		480
caaattggctc	accctgtgat	cccccaattca	tcataggatg	tgctccctgc	aatgtcatct		540
gctccattgt	tttccagaat	cgttttgatt	ataaggataa	ggattttctt	agcttgatag		600
gaaaagtga	tgaatgcact	gaaa					624

<210> 155
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 155							
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gccatcaggg	aatgatctag	tctacatatt	agttgtat	caggccaatt	acttttagatt		120
ttcatgtgat	aaaattccaa	attaacttat	atttttctct	taatggtttt	ttttttgttg		180
ttgctgtttt	tgagagaggg	tcttgctctg	tcgcccaggc	tggagtgcag	cagcacaatc		240
attgctcact	acagcctcaa	attcctggac	tcaagtgtct	ctcccatctc	agcctcccca		300
gtagctggga	ctacagcatg	caccacgata	cctgggtatc	ttttttat	ttttgtagag		360
atgaggtctc	cctgtgttgc	ccaggctggg	ctcaaacacc	tggactcaag	ggatcctcct		420
gcctcagcaa	aaaaaaaaaa	aaaaaaa					447

<210> 156

<211> 1050
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (762)..(762)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (767)..(767)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (902)..(902)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (936)..(936)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (959)..(959)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1012)..(1012)
 <223> n equals a,t,g, or c

<400> 156
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 gggagaatag gagccagaac ctgagccctt aagccattcc cctcaccaat gatgggggtcc 120
 ccagttagtc atctgctggc cggcttctgt gtgtgggtcg tcttgggctg ggtagggggc 180
 tcagtcacca acctggggcc tgcctgagcag gagcagaacc attacctggc ccagctgttt 240
 ggctctgtacg gcgagaatgg gacgctgact gcaggggggt tggcgcggt tctccacagc 300
 ctggggctag gccgagttca ggggcttctc ctgggacagc atgggcctct gactggacgg 360
 gctgcatccc cagctgcaga caattccaca cacaggccac agaaccctga gctgagtgtg 420
 gatgtctggg cagggatgcc tctgggtccc tcaggggtgg gtgacctgga agagtcaaag 480
 gccctcacc taccctgtgg gccagcccc tcgggccttg acctccttca caggcttctg 540
 ttgctggacc actcattggc tgaccacctg aatgaggatt gtctgaacgg ctcccagctg 600
 ctgggtcaatt ttggcttgag ccccgctgct cctctgacct ctcgtcagtt tgctctgctg 660
 tgcccagccc tgctttatca gatcgacagc cgcgtctgca tcggcgctcc ggcccctgca 720
 cccccagggg atctactatc tgscctgctt caragtgcc tngcagncct gttgctcagc 780
 ctcccttctc cctatccct gctgctgctg cggctcctgg gacctcgtct actacggccc 840
 ttgctgggct tccctggggc cctggcggtg ggcactcttt gtggacatgc taccaagcct 900
 gnttcggcct cgggagcccc tggctacgcc ccatgngctt ctgcaagggc tggggctgnt 960
 gcttgggggg cgggcttaa gcttggcata aaccttgggt ggaagaaccg gntactggcc 1020
 cgggaacaac tgaaggcttg atggggccaa 1050

<210> 157
 <211> 678
 <212> DNA

<213> Homo sapiens

<400> 157

ctgctgctga	gcctcgtgtc	tggagccctg	ggattggggg	gtgcagtcct	gggggtgggg	60
ctcagccctgg	gcccctgtccc	cctcactccc	tgggtgtttg	gggtcactgc	tggggctctc	120
ctctatgtgg	cccttgtgga	catggtgaga	gatgtcgggt	agagcagaga	aatcaagggc	180
agtgggtagg	cgggagtgaa	gagggaggta	gcagtccctc	cgctctacc	attagctcct	240
ggaagggcgt	cagaccatag	gcccgcacaa	gtctgagaaa	caagggacta	aggtgttttg	300
gtgggggctg	ctgatgcttt	ctgacaccat	tcctctggag	ttgagagggtc	aggggcaagg	360
ccagaatcct	gacatcctct	ttttctttca	gctaccagcc	ctgcttcgtc	ctccggagcc	420
cctgcctacg	ccccatgtgc	tcctgcaggg	gctggggctg	ctgctggggg	gcggcctcat	480
gcttgccata	ccccctgtgg	aggagcggct	actgcccgtg	accactgagg	gctgatgggg	540
ccagtggaaa	ggggctgggt	tgcccttcct	tcccccaac	cacaggaatg	gaggcgggac	600
acagggccag	taggagcaat	aggattttta	taaacagAAC	ccatcccaaa	aaaaaaaaaa	660
aaaaaaaaaa	gaaaaaag					678

<210> 158

<211> 959

<212> DNA

<213> Homo sapiens

<400> 158

tcgacccacg	cgtccgcgga	cgcgtgggcg	gacgcgtggg	ccggagtgga	gggagaggcc	60
cgggtcccgc	gctcccctgg	gcgccccacg	gcagcctcag	agccccgcgg	ggagcgcgca	120
gccctcgggg	cgggcgcggg	gatgtgtgac	gggagccact	tggcctccac	cctccgctat	180
tgcattgacag	tcagcggcac	agtggttctg	gtggccggga	cgctctgctt	cgcttgggtg	240
agcgaagggg	atgcaaccgc	ccagcctggc	cagctggccc	caccacgga	gtatccggtg	300
cctgagggcc	ccagccccc	gctcagggtc	gtcagcttcg	tctgctgcgg	tgcagggtgc	360
ctgctgctgc	tcattggcct	gctgtggtcc	gtcaaggcca	gcaccccagg	gccacctcga	420
tgggacccct	atcacctctc	cagagacctg	tactacctca	ctgtggagtc	ctcagagaag	480
gagagctgca	ggacccccaa	agtggttgac	atccccactt	acgaggaagc	cgtgagcttc	540
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agtggatcga	gggatgccct	gctcagcacc	cagcccgcct	ggcctccacc	cagctatgag	660
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tgctcaggcc	tgggttcagac	tgcacgggga	ggaagttaaa	ggctcctagc	aggctcctgaa	780
tccagagaca	aaaatgctgt	gccttctcca	gagtcttatg	cagtgcctgg	gacacagtag	840
gcactcagca	aacgttcgtt	gttgaaggct	gttctattta	tctattgctg	tataacaaac	900
cacccagaa	tttagtggct	taaaataaat	cccattttat	taaaaagaaa	aaaagaaaa	959

<210> 159

<211> 681

<212> DNA

<213> Homo sapiens

<400> 159

tcgacccacg	cgtccgcgga	cgcgtgggcg	gggctgcttt	gcattctgaaa	ctgtcagccc	60
cagaatgttg	acagtgcgtc	tcctagccct	tctctgtgcc	tcagcctctg	gcaatgccat	120
tcaggccagg	tcttctctct	atagtggaga	gtatgggaagt	gggtggggaa	agcgattctc	180
tcattctggc	aaccagttgg	acggcccat	caccgcccct	cgggtccgag	tcaacacata	240
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caacggagac	ctggaggaga	tctttctgca	ccctggggaa	tcagtgatec	aggtttctgg	360
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aaggctaaaa	aaaaaaaaaa	a				681

<210> 160
 <211> 720
 <212> DNA
 <213> Homo sapiens

<400> 160
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 ggatgatgtt gaagggtgatg aagataccac ttctgttaac agaggcattg cctgccttta 180
 ctgttgccctg ttggaaagtt gcttcagggg catatacaat agcagtttca gggagtgggtg 240
 tgacctgtag caggaagggg aaagtcagga gaaaagaatt ttcttctctg caagagactg 300
 gggtaggtac cagctatattg acagggaggc actattcttg gatgtccatc tgcacactag 360
 attcatgagt gttgggggatt acctgggcat cccaaacccat attacagtga attatgttat 420
 tgttatttat ttaacatgta catataatttt caaaatataat agaaaatgtc agaatcggaa 480
 aaaaaatcat agggacttag gcagttattg gagcttgctt taaaaaccca tatcagtgtt 540
 gaccagtatc tgggtttcaa gagaattgtc aggaaaagca gtcttaggtc aggagtgggtg 600
 gctcacaccc ataatcccag cactctggga ggccaggggtg ggtggattga ttgagctcag 660
 gaggtttgaga ccagcctaag caacatgggtg aaaccccatc tctacaaaaa aaaaaaaaaa 720

<210> 161
 <211> 878
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (875)..(875)
 <223> n equals a,t,g, or c

<400> 161
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 gtgctgggggt tataggcatg agccaccttg gcctgcataa ttcttttttt tttttttttt 120
 tgagatggag ttctgctctt gtcgctcagg ctggagtgcg atggtgcatg ctgggtcac 180
 cgcaacctcc acctcctgga ttcaagcaat tctcctgcct cagcctccca agtagctggg 240
 attacagggtg tgcaccacca tgccatagcta attttgtatt tttagtagag acgggggtttc 300
 tccatgtttg tcaggctgggt ctggaactcc tgacctcaag tgatctgtcc acctcggcct 360
 ccagagtgc tgggattaca ggcgtgagcc actgttccca gcaggaattt cttttttata 420
 gtattggata aagtttgggtg tttttacaga ggagaagcaa tgggtcttag ctctttctct 480
 attatgttat catcctccct tttttgtaca atatgttgtt tacctgaaag gaagggtttct 540
 attcgttgggt tgtggacctg gacaaagtcc aagtcctgtg aacttaaaac cttgaagggtc 600
 tgtcatagga ctctggacaa tctcacacct tagctattcc caggggaaccc caggggggcaa 660
 ctgacattgc tccaagatgt tctcctgatg tagcttgaga tataaaggaa aggccctgca 720
 cagggtggctg tttcttgtct gttatgtcag aggaacagtc ctgttcagaa aggggctctt 780
 ctgagcagaa atggctaata aactttgtgc tgatctggaa aaaaaaaaaa aaaaaaaaaa 840
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaangggg 878

<210> 162
 <211> 843
 <212> DNA
 <213> Homo sapiens

<400> 162
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 tgagatggag ttctgctctt gtcgctcagg ctggagtgcg atggtgcatg ctgggtcac 180
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cccagagtgc	tgggattaca	ggcgtgagcc	a c t g t t c c c a	g c a g g a a t t t	c t t t t t t a t a	420
gtattggata	aagtttggtg	t t t t t a c a g a	g g a g a a g c a a	t g g g t c t t a g	c t c t t t c t c t	480
attatgttat	catcctccct	t t t t t g t a c a	a t a t g t t g t t	t a c c t g a a a g	g a a g g t t t c t	540
attcgttggg	tgtggacctg	g a c a a a g t c c	a a g t c t g t g g	a a c t t a a a a c	c t t g a a g g t c	600
tgtcatagga	ctctggacaa	t c t c a c a c c t	t a g c t a t t c c	c a g g g a a c c c	c a g g g g g c a a	660
ctgacattgc	tccaagatgt	t c t c c t g a t g	t a g c t t g a g a	t a t a a a g g a a	a g g c c c t g c a	720
caggtggctg	t t t c t t g t c t	g t t a t g t c a g	a g g a a c a g t c	c t g t t c a g a a	a g g g g c t c t t	780
ctgagcagaa	atggctaata	a a c t t t g t g c	t g a t c t g g a a	a a a a a a a a a a	a a a a a a a a a a	840
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<220>
<221> misc_feature
<222> (591)..(591)
<223> n equals a,t,g, or c
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<210> 164
<211> 1461
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1401)..(1401)
<223> n equals a,t,g, or c
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<220>
<221> misc_feature
<222> (1432)..(1432)
<223> n equals a,t,g, or c
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<210> 165
 <211> 829
 <212> DNA
 <213> Homo sapiens

<400> 165						
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gcatttaggg	acgggraatc	gtgtggctac	tttcttaaac	tacatgagt	atgtagaagc	180
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<210> 166
 <211> 635
 <212> DNA
 <213> Homo sapiens

<400> 166						
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atgggacccc	ctgggatgcc	aggggtgccc	ggccccatgg	gcacccctgg	agagccaggt	420
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cagscctctg	cacccaacag	cctgatcaga	ttcaacgcgg	kcctcaccaa	cccgcaggga	540
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635

<210> 167

<211> 1195

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1166)..(1166)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1173)..(1173)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1191)..(1191)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1193)..(1193)

<223> n equals a,t,g, or c

<400> 167

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cagtgttcac	ggtcactcgg	cagacccacc	agccccctgc	acccaacagc	ctgatcagat	420
tcaacgcggt	cctcaccaac	ccgcagggag	attatgacac	gagcactggc	aagtccacct	480
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1140
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<210> 168

<211> 1055

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1009)..(1009)

<223> n equals a,t,g, or c

<400> 168

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ggacgtgggg	cccagctccc	tgccccacct	tgggctgaag	ctgctgtctg	tctgtgtgtg	180
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gcccggggca	ccagggaagg	atgggtacga	cggactgccg	gggccaagg	gggagccagg	300
aatcccagcc	attcccggga	tccgaggacc	caaagggcag	aagggagaa	ccggcttacc	360
cggccatcct	gggaaaaatg	gccccatggg	acccctggg	atgccagggg	tgcccggccc	420
catgggcac	cctggagagc	caggtgagga	gggcagatac	aagcagaaat	tccagtcagt	480
gttcacggtc	actgggcaga	cccaccagcc	ccctgcaccc	aacagcctga	tcagattcaa	540
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gctgtaccgc	agcggcgctc	aagtgggtcac	cttctgtggc	cacacgtcca	aaaccaatca	720
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caccagatgg	acttctcctc	cagggagacc	accctgacca	ccccactgna	ccccttccca	1020
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<210> 169

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1099)..(1099)

<223> n equals a,t,g, or c

<400> 169

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ctgggtactg	cattctttnt	tttttttttc	aagtattgga	aggggtgggg	agatatataa	1140
ataaatcatg	aatcaatam	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa		1188

<210> 170

<211> 425

<212> DNA

<213> Homo sapiens

<400> 170

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gcgcctgccg	cggatcaaaa	gccagaccat	cgctgtcgc	tcgggaccca	cctggtgggg	180
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gttcagcgtg	gaccaactta	tggaaactggc	cgggctgagc	tgtgctacag	ccatcgccaa	360
ggcatatccc	cccacgtcca	tgtccaggag	ccccctact	gtcctggtca	tctgtggccc	420
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<210> 171

<211> 1187

<212> DNA

<213> Homo sapiens

<400> 171

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ctaggggtaa	cacaaagggc	aagaggttgc	tatggtatct	ggaaacaatg	aaaatggact	1140
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<210> 172

<211> 562

<212> DNA

<213> Homo sapiens

<400> 172

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tgtatgtaag	tagtataatt	tgttactttc	aaatacccg	actttgaatg	taggtttttt	180
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aaatttcct	gaataatcca	tgaagggaat	aattcwaatc	cagataarca	gagttggcag	420
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<210> 173

<211> 822
 <212> DNA
 <213> Homo sapiens

<400> 173
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 aaactcaccg gtgggtcgct aggggtgggt atggggccat ccgagctgag gccatctggg 720
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<210> 174
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 174
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 tgagaattat gcgtcacgac ccgaggcgtt taaggctgat gagttcctga actggcacgc 180
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 gaaaggactg aggagcgcaa ctctgatgc ccagtgaaca tgacctccac tgggaagaggg 300
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<210> 175
 <211> 1377
 <212> DNA
 <213> Homo sapiens

<400> 175
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 tgatcaaacc tttagtgcag agtggcacca gtggaagtcc acgcacagaa gactgtatgg 180
 cacgaatgag gaagagtggg ggagagcgat atgggagaag aacatgagaa tgatccagct 240
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 gaaggggagg ctttttcagg aaccgctgat gcttaagatc cccaagtctg tggactggag 420
 agaaaagggg tgtgtgactc ctgtgaagaa ccagggccag tgcgggtctt gttgggcgtt 480
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 tgtggggcct atttctgttg ctatggacgc aagccatccg tctctccagt tctatagttc 840
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 gggctatggc tatgaaggaa cagattcaaa taagaataaa tattggcttg tcaagaacag 960
 ctgggggaagt gaatggggta tggagggcta catcaaaata gccaaagacc gggacaacca 1020

ctgtggactt	gccaccgcgg	ccagctatcc	tgtcgtgaat	tgatgggtag	cggtaatgag	1080
gacttatgga	cactatgtcc	aaaggaattc	agcttaaaac	tgaccaaacc	cttattgagt	1140
caaaccatgg	tacttgaatc	attgaggatc	caagtcatga	tttgaattct	gttgccattt	1200
ttacatgggt	taaatgttac	cmctacttaa	aactcctggt	ataaacagct	ttataatatt	1260
gaaaacttag	tgcttaattc	tgagtctgga	atatttggtt	tatataaagg	ttgtataaaa	1320
ctttctttac	ctcttaaaaa	taaattttag	ctcagtgtgt	gtgtaaaaga	aaaaaag	1377

<210> 176
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 176						
gctttcaagg	caagatcggc	cttttctggt	ttgttttggt	tttctttctt	tttcctggcc	60
atgagggcaa	aaattactga	gtggscctta	aaragggaag	tttgttttca	rcgtttctyt	120
tttgcccgtg	gggtgggagg	tggggattgc	tgcgctctar	ctaragggaat	ggctttgctt	180
gaatgtgtag	tgacmcgca	cgggtgtttc	tgtgtgctag	ttgcttcttg	ctgctgcttc	240
ctgcttgyt	gggrctcmca	tacataacgt	gatatatata	tatatatata	aatgtataaa	300
tawatatttt	attttttttt	aaatccttgg	agcttctggt	tcctatcagt	tcctgttggt	360
aatcgtaara	ccgttgtccc	ttccccatt	cccgatatcca	tcattgttctt	tttcttttaa	420
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aa						482

<210> 177
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 177						
ccacgcgtcc	gaaattatcc	taaagtatat	aagccattga	ttcctcctat	tcctgaatat	60
gtcatttctt	ttcaattttg	gggggctggt	attcttatca	catataatgc	tacaatgaat	120
gtccttggtt	gtgcttcttt	ttggacatac	aagactttgt	tccttctgtt	ttggggatag	180
atacctatac	gtagatttgg	tggggcaaga	gaaactgaga	tgcaaaaaac	ctactccaca	240
gcattgcagg	tttaatggta	aagttgatca	aaaagataat	aagcttggtg	aacttataaa	300
ctgtgttctt	ctgaaagcaa	tttgtgattt	tatactaaaa	gccctacaaa	tgtatcttat	360
cttttgaccc	agaaaatgtg	cctctaggaa	taatcagaga	tccttgtgaa	gacacctctc	420
tataaagata	ttcatagcta	ttctatttgt	aatagtaata	aatatttcga	tattcagaaa	480
aaaaaaaaaa	aaaaaaaaaa					498

<210> 178
 <211> 631
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (525)..(525)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (610)..(610)
 <223> n equals a,t,g, or c

<400> 178						
agtgattgta	gcattcgttg	ttgcctttca	taatctcagt	gattctacaa	atcaacaatc	60
cgtgggtaaa	atggaaaaag	gcacagttga	cctgaaacca	gaaactgcct	acaacttaat	120

acataccatt	ctgtttggat	tcttggcatt	gagtacaatg	agaatgaagt	acctctggac	180
gtcacacatg	tgtgtgttcg	catcattcgg	cctatgtagc	cctgaaatat	gggagttact	240
tctgaagtca	gtccatcttt	ataacccaaa	gaggttctgg	ccaggaatga	tggatgaact	300
ctccgagttg	agagaattct	atgatccaga	tacagtggag	ctgatgaact	ggattaactc	360
taacactcca	agaaaggctg	tgtttgcggg	aagcatgcag	ttgctggccg	gagtcaagct	420
gtgcacggga	aggaccctaa	ccaaccaccy	gcactatgaa	gacagcagcc	tgagagagcg	480
gaccagagcg	gtttatcaga	tatatgccaa	gagggcacca	gaggnaagtg	catgccctcc	540
taaggtcctt	cggcactgga	ctacgtaatc	ctggaagaca	gcactctgctt	acgagcggag	600
gcaccgccgn	gggctggccg	actccgggga	c			631

<210> 179
 <211> 2914
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2903)..(2903)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2906)..(2907)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2909)..(2912)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2914)..(2914)
 <223> n equals a,t,g, or c

<400> 179						
cgcagatttc	tgcccagtg	ctatttttga	tacggagaaa	ctgcatcatg	atgaaactca	60
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ttctacagat	gtttacacaa	gtgttgccat	ctttgaaagc	atcttctaca	agcagaagtc	180
tttttcgttg	tgtgtctatc	tttctcatta	atgttcttta	gcctaaatgt	taacaacttt	240
ctaagagtga	cctagaatta	tgttggtgga	gagaatgatg	tgtgttccat	ggatacctgg	300
ataggcacat	aacatgttgg	aagatgagca	cctgctcagg	atttgaaata	cgtttaattt	360
tcaggtgact	taagacagct	atgattgaat	caactagaga	tgatgatcga	cttattttaa	420
atgatttcac	tggtgaagac	caattggtag	ctttttaaaa	agcacttttag	tgtcctgttt	480
taccttaaaa	tggtataata	ttttccagtt	gtcatgctgt	caacattaac	aaaaaaaaatc	540
atgttaaggc	tttgtatcaa	acattttgtt	acactctgtc	tgaaatgtaa	tgtggagtac	600
ttcagcagta	tgtgtcatgt	attgtgtgtg	tctgtgtgtg	tgcatgtgca	cacatgtgtt	660
ttaatgtctg	gcacagaaaa	gtgtttacaag	ttccatatcg	taagtcctta	aaggggcaga	720
aatatatgta	gccaagtaga	atttattaca	ttttagtgtt	attatttttaa	aamwtactga	780
twctctttta	cctctcctgc	agtaatatgtt	ttgctttatt	tcttactcat	ttcaatttat	840
tgggtttgca	aaatttttga	aactttttgt	gttttttagcc	tttgtatttt	ttacagccta	900
gaatcttgca	aagtctgaat	atttttttaa	tgttctatct	taactagttc	actaatacag	960
tatttttagc	agacagcatt	ttcagacagc	attttcatac	caagtttgac	ttgtgggtctc	1020
caatcttact	gggaaggccc	tggtagtgtg	attcttttcc	ttattaaaag	gtaaccaagt	1080
gcctctaagt	catgcttatt	tgtaaacac	aaagaagagt	atatgtacct	gctcaaaatt	1140
tttttgataa	tygcttatat	aattaatctt	taattgatgag	gacatgtaaa	agtttgccagt	1200
aagaacatag	tatgcattta	attaaatcaa	gatggcta	ggaatttaact	ttctccccctg	1260

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taaagcagca	ttcaaaaagt	cttttacact	gtcatgttgg	acacaagcag	actcagcttt	1440
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gataatacaa	taataaaacg	ttttaatcag	tactaaaact	ttaatgaagc	caataatgat	1620
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cgcaatgatg	gcaaacagtg	atTTTTTTTT	tcatagttta	ggtgtcattg	ttgccagcac	1920
ctttagtgtc	cagtcttcag	tgaaaaatat	aaagtgccaa	aaaaatcttg	caagacagaa	1980
tccatactta	acactctttc	caagacactg	tgacctgtga	cagtagctat	ttcctgatga	2040
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aatgtgacct	tctcattgga	gtacacagaa	ggaaagcaaa	gaagagcatc	tgacttctag	2160
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tggagtgtg	cacccgtccc	aaactcctcc	atgcaagtct	tgcttctct	tataagtaca	2520
caactcagtt	aagtattcac	atacacacag	aaaatacggg	tgtgaaaaga	aagaaytttc	2580
tgtaaraatt	aagttgaata	ctytggtaaa	aagtgataaa	ggctgagttg	ccaataaaag	2640
ktgcttttam	attaggtgtg	gctgggaact	attatacagg	atatcggggg	aaactattcc	2700
aatccagaaa	cattcctgag	cttagatcgg	ctccatacga	tctcatcgaa	agtaactcat	2760
tcgcccactt	ttaaaacctt	cttaactgag	aagcaaggga	cccacaatca	tggtacctgg	2820
cggtgactca	tggtgagaag	tacgacactg	cagtcatttg	gaccctagcc	acgggacaaa	2880
tccgggtccg	atctccgcaa	gantanntrn	nngn			2914

<210> 180
 <211> 1003
 <212> DNA
 <213> Homo sapiens

<400> 180						
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accatctttc	ataactgtca	ctgtcttggc	cttgagaaga	gagcccgctc	tccgtggggc	120
accccatgga	ggacacagta	ccagagttta	cagagagggg	gggcgaacac	cggtctcttc	180
ctaactctgca	cagactat	tggtattttc	tgggcgggca	gttcctttgc	atgtttcggg	240
agagggtttgt	tgatttgggg	cttatatgtc	aggccttttg	tttgcgctct	atTTtagggg	300
ttgtttgggg	gcctgggtgg	tcggcctcac	atgggaaggg	gatgggtagt	ggatgggggt	360
tctgttgat	cttggtggcg	ggtgattttg	ctttgtttt	tgtttcacat	tcttccccct	420
ccacaagcca	aagtcgtttc	atTTggtttc	cactgtgtgg	actgtgctgg	agcttggcgc	480
ctgccagaaa	aatttggggc	taggcaagcc	ccaggttgca	gacatgggtga	agcagagaaa	540
ctgttcttct	ggttctctgca	caacctcaga	ggggcaaaaa	ccctccccag	gaaggaggag	600
ggtgttcagg	agccagactt	ttggagagaa	ggcagctccc	agcctgctgg	gtgaccgcca	660
ttctgcgtgt	gttccccagc	tgggcagggc	tggaaagcctt	acgtatgaag	catggagaag	720
cagccattgt	ccccactatg	ggcagagggg	ggaccgggct	ggccccttgg	gtcagactgg	780
agccaacacc	gccagccacc	ccctctggcc	tgctggcaat	gccacagggtg	ccaagaaga	840
tggaggatcc	ctgtgccagg	agccaacctg	gtcttccccga	gggtcagtg	cccagtgaa	900
acagaagcga	gagaataaag	ttccctgtag	gtcctctgtc	acctttgggt	tgtgtttttc	960
aattgttgac	atTTcagagg	ggaccctcca	gaagcccagc	cgg		1003

<210> 181
 <211> 604
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (525)..(525)
 <223> n equals a,t,g, or c

<400> 181
 tcagactctg cgggtggtggt gactggggggg gactcakggg agagccagag cccctgctac 60
 tgccacatgt ttgcaccctc tgactatcgg accatgatca tcagcaccat cggtgaaatt 120
 gctttgwwty ctttaaatat actgggcatc aatttcctgg gaagacggct gagcctttct 180
 attaccatgg gatgcacggc tttattctgc cttctcctca acatttgcac ttcaagtgcc 240
 ggccctgattg gcttctctct catgctgagg gctctggtag ctgcaaactt caacaccgtc 300
 tacattttaca cagctgaggt ctaccccacc acgatgcgcg ctttggggat gggaaccagc 360
 ggctccctgt gtcgcattgg tgcaatgggtg gcaccattta tatcccagggt tcttatgagt 420
 gcatcaatac tggggggcct gtgtctcttc tcactctgtct gtgttgtagt cgccatttct 480
 gcattcactc tccccatcga aaccaaagga cgggcccctcc agcanattaa atgaagacct 540
 gcaaagctat gtctaccaga tgagaaaaat gaattctatc ttcagaactg cggggcattt 600
 tttt 604

<210> 182
 <211> 1361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1336)..(1336)
 <223> n equals a,t,g, or c

<400> 182
 cgcttccagc gccgctgcgg gctcttcccc gctccggatg aaggcccccg ggagaacggc 60
 gcggacccca cggagcgcgc ggcgcggggtc cccgggggtcg agcatctccc cgcagccaac 120
 ggcaagggcg gcgaggctcc ggccaacggg ctgcgccagag ccgcggcgcc ggaggcttat 180
 gtacagaagt acgtcgtgaa gaattatttc tactattacc tattccaatt ttcagctgct 240
 ttggggccaag aagtgttcta catcacgttt cttccattca ctactggaa tattgacct 300
 tattttatcca gaagattgat catcatatgg gttttggtga tgtatattgg ccaagtggcc 360
 aaggatgtct tgaagtggcc ccgtccctcc tcccctccag ttgtaaaact ggaaaagaga 420
 ctgatcgctg aatatggaat gccatccacc cagcccatgg cggccactgc cattgccttc 480
 accctcctta tctctactat ggacagatac cagtatccat ttgtgttggg actggtgatg 540
 gccgtggtgt tttccacctt ggtgtgtctc agcaggctct acactgggat gcatacggtc 600
 ctggatgtgc tgggtggcgt cctgatcacc gcactcctca tcgtcctcac ctaccctgcc 660
 tggaccttca tcgactgctt ggactcggcc agccccctct tcccgtgtg tgatcatagt 720
 gtgccattct tctgtgttta caattacctt gtttctgatt actacagccc aaccggggcg 780
 gacaccacca ccattctggc tgccgggggt ggagtgaaca taggattctg gatcaaccat 840
 ttcttccagc ttgtatccaa gccgctgaa tctctccctg ttattcagaa catcccacca 900
 ctcaccacct acatgttagt tttgggtctg accaaatttg cagtgggaat tgtgttgatc 960
 ctcttggttc gtcagcttgt acaaaatctc tcaactgcaag tattatactc atggttcaag 1020
 gtggtcacca ggaacaagga ggccaggcgg agactggaga ttgaagtgcc ttacaagttt 1080
 gttacctaca catctgttgg catctgcgct acaacctttg tgccgatgct tcacaggttt 1140
 ctgggattac cctgagtctc aaacagtttg aaactagccc actggacatg aaagccaaga 1200
 cataggaaag ttattggtag gcaaactctg acaacttatt tttctttaac aacaacaaaa 1260
 agtcatacgg ctgtcttgct actaccagat aaatgatgct gctgtgtgaa aggaaaaaaa 1320
 aaaaaaaaaa aactcnaggg ggggcccggta acaaatcccc c 1361

<210> 183
 <211> 426
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (360)..(360)

<223> n equals a,t,g, or c

<400> 183

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ttcctcckgt	tcggtgggga	cctgggggtgt	gagcgccgcg	agcctggcgg	gcgagcgggg	180
gccccgggat	gcttcccccg	cccgcctcatg	ccacgtgtcc	ccccagacgg	gaggctgcgg	240
agagccgccc	ccctcgacgg	agacccgggg	gccggccccc	gggaccacaa	ccgctccgac	300
tgcgggccgc	agccgcgcgc	gccgcccagg	tgcgaggtag	gtgcgcgcgg	ccctggcggn	360
gggagtcctg	ggggcgccgc	ccccgagccc	ggcctcttgg	acatctgcgg	gaatcacagt	420
acctgg						426

<210> 184

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (541)..(541)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (576)..(576)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (598)..(598)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (604)..(604)

<223> n equals a,t,g, or c

<400> 184

gtccagcttt	gttcggttgc	ttgtgaggag	ctatgatcct	ttggaggaga	agacacactc	60
tggttttttag	acttttttagc	ttttttgctc	tggtttctcc	ccatctttgt	gattttatct	120
acctttgggtc	tttgatgatg	gtgacctaca	gatgggggtt	tggtgtggat	atcctttttg	180
tggtatgttga	tgctattcct	ttctgtttgt	tagttttcct	tctaacagtc	aggctccctca	240
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cagtggaggc	tgacagaacag	caaataattgt	agaacagaat	agattgctgc	ctgatccctt	360
ccccggaagc	tttgtcccat	aggtgcaacc	tgctgtatga	ggtgtctgtt	ggccccact	420
tggagggtgtc	tcctagtttag	gcctacatgg	ggctcaggga	cccacttgag	gaggcagttc	480
gtccattctg	agaactcaaa	caccatgctg	ggagaaccac	tgctctcttc	agaactgtca	540
ngcaggggacg	tttaagtctg	cagaagtttc	cattgnctct	tggtcaacta	tgccctgncc	600
acanaggcg	agtctgtaaa	ggctgta				627

<210> 185

<211> 528

<212> DNA
 <213> Homo sapiens

<400> 185
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 gggtttcaaag ctgccagcac tcgctgggct ccgcctgctg cccccccggg ggtcacaggc 120
 cacatggctt ggtggccgaa ctccacgtgc tggctcctca cagctgtcac catggccttg 180
 gctacccgct gcgtccctca ggagctgcca tcaggttctg aggtgcctgg tctggaggca 240
 gtccagggtgg tgagggtctgg actggctgga cccacccgat gctcctgccg tcaccccgctc 300
 ctggccctca ctggaggcag ggacactcag gggccccggg cctcggggcc agtgctgcag 360
 tggccgccgt tgctctcaca gcgggtccag gcctggcttc tgaaggcaat gtgcctgcgt 420
 ctcacactca aaagggcctg ccaggctgca cctggcggca gctccacgg gggacgatgt 480
 cctgctgtct gttggccccc aggtgggagg gacggscgyg gagctgca 528

<210> 186
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 186
 tcgacccacg cgtccggggg tgcgcacgag gccctgtatt cagtccccgg ggagcactgc 60
 cttacgctcc agaagcgcaa aggtctcgct cgctggcgct tgaggcacgg gctcctggca 120
 gcattggtgc cagctcacct tcaagaagct catgggcttc tctccttgca tcttctgggg 180
 tcgcgggtctc ttctcagcca cctcctgggg cctgctgccc tttgctgtgc ccatcaccac 240
 tgtggtgggc cgccccatcc ccgtccccc ggcctccac cccaccgagg aggaagtcaa 300
 tcactatcac gccctctaca tgacggccct ggagcagctc ttcgaggagc acaaggaaaag 360
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 tgagccccctg agcccaaggc actgagacct ccacccactg tggactccat gcctccaata 480
 aaaggtagtt ctgggcccac aaaaaaaaaa aaaaaaaaaa aa 522

<210> 187
 <211> 1491
 <212> DNA
 <213> Homo sapiens

<400> 187
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 cagtgagaaa tagtttctgct cgccggctag aaaaactctg tcggtacca cccagagcgc 120
 ttgagagcag cccacctcca cgcttctcta acggagaggt gcaggactca gacttcacca 180
 gccactcggg tcccagcctt gtacgcaaag agacgtcaag gacgcgtctc cccgcgtcca 240
 ggcagcccca gcttgctggc ttgcctgcc gccctgcgtc agcactcggc cggcgtgcag 300
 catgacctg tggaaacggc tactgccttt ttaccgccag ccccggcatt ccgcaggctt 360
 cagcgttcca ctgctcatcg ttattctagt gtttttggct ctagcagcaa gcttctctgt 420
 catcttgccg gggatccgtg gccactcgcg ctggttttgg ttggtgagag ttcttctcag 480
 tctgttcata ggcgcagaaa ttgtggctgt gcacttcagt gcagaatggt tcgtgggtac 540
 agtgaacacc aacacatcct acaaagcctt cagcgcagcg cgcgttacag cccgtgtcgg 600
 tctgctcgtg ggcctgragg gcattaatat tacactcaca gggacccag tgcacagct 660
 gaacgagacc attgactaca acgagcagtt cacttggcgt ctgaaagaga attacgccgc 720
 ggagtacgcg aacgcactgg agaaggggct gccggacca gtgctctacc tggcggagaa 780
 gttcacaccg agtagccctt gcggcctgta ccaccagtac cacctggcgg gacactacgc 840
 ctgggccacg ctatgggtgg cgttctgctt ctggctcttc tccaacgtgc tgcctctcac 900
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<220>
<221> misc_feature
<222> (689)..(689)
<223> n equals a,t,g, or c
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<210> 189
<211> 616
<212> DNA
<213> Homo sapiens
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<210> 191
 <211> 835
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (22)..(22)
 <223> n equals a,t,g, or c

<400> 191						
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<210> 192
 <211> 713
 <212> DNA
 <213> Homo sapiens

<400> 192						
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<210> 193
 <211> 541

<212> DNA
 <213> Homo sapiens

<400> 193
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<210> 194
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 194
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<210> 195
 <211> 1859
 <212> DNA
 <213> Homo sapiens

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<210> 196
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 196						
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<210> 197
 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 197						
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<210> 198
 <211> 1292
 <212> DNA
 <213> Homo sapiens

<400> 198						
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<210> 199

<211> 4476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1837)..(1837)

<223> n equals a,t,g, or c

<400> 199

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cccttgagga	agggctgcta	cttaacaagg	aagtccctggc	cacaagagtc	ccctactggc	3600
tgcagaggac	gaagcaggaa	gcatgccgtg	gatcccacat	gcactggggc	agggcagcca	3660
ggttccagag	cagcaggcat	gtgcattatg	ggtgccaggt	ggccagtgag	ggcccagga	3720
ccacgcagca	gagtccccca	cgggcctgag	cctgagagct	cagaggattc	ctgccaggcc	3780
tcagaactgt	gtgtgcggga	caggggtggc	ggcacgagat	gtgtgggact	gggacgcttc	3840
ctttggggac	cagaggaaca	ttagggggccg	gtcagacacg	taggggggcag	tgaggaaaacg	3900
gggtaaagtg	gaccatgcag	gctgcagagg	gtgggccttg	ggctggccgg	ggttgcctggg	3960
tggccccctc	cccatgggcc	tccacaagca	ctcagggccac	tggcacgttg	ggccaggcag	4020
aagggtccaca	tggcagggct	gcctggaaca	ccgctggccac	tgtggctcca	ggaggccctt	4080
gggagcatga	ggagagctgg	actcgtctcat	ctgttcttgc	accaccatcc	agaatgcccc	4140
ctttgcaagg	cctgctgcag	tccccagctc	gaccagcaag	tcccggggtc	acccttgctg	4200
aaccttgtgc	tccaggggtc	ctcctcctct	aggaccagct	tgccacgggt	tctcagagcc	4260
caggtgccct	ctgacctgcc	atgcggagggt	gggatttgat	actgtacatt	gtcttgatgc	4320
ctgttttttt	atgttttcat	taagggtttt	tagtttttgg	ttgggttgac	actaactttt	4380
cttaagatgc	tgtgagaatc	atttcaccca	aatgccaaat	aaacttgtgt	tccggaaaaa	4440
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaac			4476

<210> 200
 <211> 682
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature

<222> (1)..(1)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (604)..(607)
 <223> n equals a,t,g, or c

<400> 200
 ncctccccgt accgggtccgg aattccccggg tcgacccacg cgtccgctcg ctttgagtga 60
 ctgggttttg tgattgcctc tgaagcctat gtatgccatg gaggcactaa caaactctga 120
 gggtttccgaa atcagaagcg aaaaaatcag tgaataaacc atcatcttgc cactaccccc 180
 tcctgaagcc acagcagggg ttccaggttcc aatcagaact gttggcaagg tgacatttcc 240
 atgcataaat gcgatccaca gaagggtcctg gtgggtatttg taactttttg caaggcattt 300
 ttttatatat atttttgtgc acattttttt ttacgtttct ttagaaaaca aatgtatttc 360
 aaaatatatt tatagtcgaa caattcatat atttgaagtg gagccatatg aatgtcagta 420
 gtttatactt ctctattatc tcaactact ggcaatttgt aaagaaatat atatgatata 480
 taaatgtgat tgcagctttt caatgttagc cacagtgtat tttttcactt gtactaaaaat 540
 tgtatcaaat gtgacattat atgcactagc aataaaatgc taattgkttc atggtaaaaa 600
 aaannnncta ctgtatgtgg gaatttattt acctgaaata aaattcatta gttgttagtg 660
 atggagctta aaaaaaaaaa aa 682

<210> 201
 <211> 671
 <212> DNA
 <213> Homo sapiens

<400> 201
 atacagtgtg gtgaagggtg actgaagaag tccagtgtgt ccagttaaaa cagaaataaa 60
 ttaaactctt catcaacaaa gacctgtttt tgtgcctgcc ttgagtttta tcagaattat 120
 tggcctagta atccttcaga aacaccgtaa ttctaaataa acctcttccc atacaccttt 180
 cccccataag atgtgtcttc agcactataa agcattttgta ttgtgatttg attaagtata 240
 tatttgggtg ttctcaatga agagcaaatt taaatattat gtgcatttgt aaatacagta 300
 gctataaaat ttccatact tctaattggc gaatagagga ggccatatta aataatgctg 360
 atgaaaggca ggccactgca ttgtaaatag gattttctag gctcggtagg cagaaagaat 420
 tatttttctt tgaaggaaat aactttttat catggtaatt ttgaaggatg attcctatga 480
 tgtgttcacc aggggaatgt ggctttttaa gaaaatcttc tattgggttg aactgttcat 540
 atcttcttac ttttatgaga tgacttcatt attcccatgg tattggcctt ttaaactatg 600
 tgcctctgag tctttcaatt tataaatttg ttatcttaat aaatattata aaaatgwaaa 660
 aaaaaaaaaa a 671

<210> 202
 <211> 1088
 <212> DNA
 <213> Homo sapiens

<400> 202
 cgggtcgacc cacgcgtccg cttgcctggg agaggggaag cagatctgag gacatctctg 60
 tgccaggcca gaaaccgccc acctgcagtt ccttctccgg gatggacgtg gggcccagct 120
 cctgccccca ccttgggctg aagctgctgc tgctcctgct gctgctgccc ctcaggggcc 180
 aagccaacac aggtgtctac gggatccag ggatgcccgg cctgcccggg gcaccagggga 240
 aggatgggta cgacggactg ccggggccca agggggagcc aggaatccca gccattcccg 300
 ggatccgagg acccaaaggg cagatacaag cagaaattcc agtcagtgtt cacgggtcact 360
 cggcagaccc accagcccc tgcacccaac agcctgatca gattcaacgc ggtcctcacc 420
 aaccgcaggg gagattatga cagcagcact ggcaagtcca cctgcaaagt ccccggcctc 480
 tactactttg tctaccacgc gtcgcataca gccaacctgt gcgtgctgct gtaccgcagc 540
 ggcgtcaaag tgggtcacct ctgtggccac acgtccaaaa ccaatcaggt caactcgggc 600

ggtgtgctgc	tgaggttgca	ggtgggag	gaggtgtggc	tggctgtcaa	tgactactac	660
gacatgggtg	gcatccaggg	ctctgacagc	gtcttctccg	gcttcctgct	cttccccgac	720
tagggcgggc	agatgcgctc	gagacccacg	ggccttccac	ctccctcagc	ttcctgcatg	780
gacccacctt	actggccagt	ctgcatcctt	gcctagacca	ttctcccctc	cagggagccc	840
accctgaccc	acccccactg	cacccccctc	ccatgggttc	tctccttcct	ctgaacttct	900
ttaggagtca	ctgcttgtgt	ggttcctggg	acacttaacc	aatgccttct	ggtactgcca	960
ttcttttttt	tttttttcaa	gtattggaag	gggtggggag	atatataaat	aaatcatgaa	1020
atcaatamaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1080
gggcggcc						1088

<210> 203
 <211> 838
 <212> DNA
 <213> Homo sapiens

<400> 203	
ggacgcgtgg	gttcatagaa
agctcacctt	caaaggggac
tcggccccat	catgaaagtg
ttatcgtagc	tctagcaaaa
agatgtgcat	tgagcaggat
gaaataaatg	aagtcaaagg
tttaccttca	tccagctgaa
cgcttctgga	aggggaagcaa
tctgaattcc	tcaatacgtg
gttcttttca	gtcagtacaa
ttggaacagc	agctgggtcat
atgacgtgtc	agtatcggtc
tgccacccag	aggccacggg
agtctggttg	ggaaggatgg
	ttccattgcc
	ttcaaaaaaa
	aaaaaaaaaa
	aaaaaaaag

<210> 204
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 204	
Met His Leu Arg Leu Cys His Phe Ser Ala Gln His Pro Leu Gly Ala	
1 5 10 15	
Leu Pro Arg Leu Pro Phe Leu Ala Ala Leu Leu Ala Leu Val Thr Leu	
20 25 30	
Ala Tyr Phe Arg Leu Ile Ser Ser Gln Gly Leu Cys Thr Phe Ser Leu	
35 40 45	
Cys Leu Glu Cys Pro Phe Pro Asp Val Cys Leu Ala Tyr Ala Thr Cys	
50 55 60	
Thr Ser Phe Arg His Lys Arg Gly Pro His Asn Pro Glu Gln Pro Phe	
65 70 75 80	
Pro Thr Pro Pro Tyr His Leu Leu	
85	

<210> 205
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 205
 Met Leu Val Gly Gly Ile Ile Gly Gly His Val Ser Asp Arg Phe Gly
 1 5 10 15
 Arg Arg Phe Ile Leu Arg Trp Cys Leu Leu Gln Leu Ala Ile Thr Asp
 20 25 30
 Thr Cys Ala Ala Phe Ala Pro Thr Phe Pro Val Tyr Cys Val Leu Arg
 35 40 45
 Phe Leu Ala Gly Phe Ser Ser Met Ile Ile Ile Ser Asn Asn Ser Leu
 50 55 60
 Pro Ile Thr Glu Trp Ile Arg Pro Asn Ser Lys Ala Leu Val Val Ile
 65 70 75 80
 Leu Ser Ser Gly Ala Leu Ser Ile Gly Gln Ile Ile Leu Gly Gly Leu
 85 90 95
 Ala Tyr Val Phe Arg Asp Trp Gln Thr Leu His Val Val Ala Ser Val
 100 105 110
 Pro Phe Phe Val Phe Phe Leu Leu Ser Arg Trp Leu Val Glu Ser Ala
 115 120 125
 Arg Trp Leu Ile Ile Thr Asn Lys Leu Asp Glu Gly Leu Lys Ala Leu
 130 135 140
 Arg Lys Val Ala Arg Thr Asn Gly Ile Lys Asn Ala Glu Glu Thr Leu
 145 150 155 160
 Asn Ile Glu Val Val Arg Ser Thr Met Gln Glu Glu Leu Asp Ala Ala
 165 170 175
 Gln Thr Lys Thr Thr Val Cys Asp Leu Phe Arg Asn Pro Ser Met Arg
 180 185 190
 Lys Arg Ile Cys Ile Leu Val Phe Leu Arg Lys Lys Asn Leu Lys Glu
 195 200 205
 Lys Ala
 210

<210> 206
 <211> 167
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 206

Met	Arg	Gln	Thr	Leu	Pro	Leu	Leu	Leu	Leu	Thr	Val	Leu	Arg	Pro	Ser	
1				5					10					15		
Trp	Ala	Asp	Pro	Pro	Gln	Glu	Lys	Val	Pro	Leu	Phe	Arg	Val	Thr	Gln	
			20					25					30			
Gln	Gly	Pro	Trp	Gly	Ser	Ser	Gly	Ser	Asn	Ala	Thr	Asp	Ser	Pro	Cys	
		35					40					45				
Glu	Gly	Leu	Pro	Ala	Ala	Asp	Ala	Thr	Ala	Leu	Thr	Leu	Ala	Asn	Arg	
	50					55					60					
Asn	Leu	Glu	Arg	Leu	Pro	Gly	Cys	Leu	Pro	Arg	Thr	Leu	Arg	Ser	Leu	
65					70					75					80	
Asp	Ala	Ser	His	Asn	Leu	Leu	Arg	Ala	Leu	Ser	Thr	Ser	Glu	Leu	Gly	
				85					90					95		
His	Leu	Glu	Gln	Leu	Gln	Val	Leu	Thr	Leu	Arg	His	Asn	Arg	Ile	Ala	
			100					105					110			
Ala	Leu	Arg	Trp	Gly	Pro	Gly	Gly	Pro	Ala	Gly	Leu	His	Thr	Leu	Asp	
		115					120					125				
Leu	Ser	Tyr	Asn	Gln	Leu	Ala	Ala	Leu	Pro	Pro	Cys	Ala	Gly	Pro	Ala	
	130					135					140					
Leu	Ser	Ser	Phe	Arg	Ala	Leu	Ala	Leu	Xaa	Arg	Asn	Pro	Leu	Arg	Ala	
145					150				155						160	
Leu	Gln	Pro	Arg	Ala	Phe	Ala										
				165												

<210> 207

<211> 196

<212> PRT

<213> Homo sapiens

<400> 207

Met	Trp	Phe	Met	Tyr	Leu	Leu	Ser	Trp	Leu	Ser	Leu	Phe	Ile	Gln	Val	
1				5					10					15		
Ala	Phe	Ile	Thr	Leu	Ala	Val	Ala	Ala	Gly	Leu	Tyr	Tyr	Leu	Ala	Glu	
			20					25					30			
Leu	Ile	Glu	Glu	Tyr	Thr	Val	Ala	Thr	Ser	Arg	Ile	Ile	Lys	Tyr	Met	
		35					40					45				
Ile	Trp	Phe	Ser	Thr	Ala	Val	Leu	Ile	Gly	Leu	Tyr	Val	Phe	Glu	Arg	
	50					55					60					

Phe Pro Thr Ser Met Ile Gly Val Gly Leu Phe Thr Asn Leu Val Tyr
 65 70 75 80
 Phe Gly Leu Leu Gln Thr Phe Pro Phe Ile Met Leu Thr Ser Pro Asn
 85 90 95
 Phe Ile Leu Ser Cys Gly Leu Val Val Val Asn His Tyr Leu Ala Phe
 100 105 110
 Gln Phe Phe Ala Glu Glu Tyr Tyr Pro Phe Ser Glu Val Leu Ala Tyr
 115 120 125
 Phe Thr Phe Cys Leu Trp Ile Ile Pro Phe Ala Phe Phe Val Ser Leu
 130 135 140
 Ser Ala Gly Glu Asn Val Leu Pro Ser Thr Met Gln Pro Gly Asp Asp
 145 150 155 160
 Val Val Ser Asn Tyr Phe Thr Lys Gly Lys Arg Gly Lys Arg Leu Gly
 165 170 175
 Ile Leu Val Val Phe Ser Phe Ile Lys Glu Ala Ile Leu Pro Ser Arg
 180 185 190
 Gln Lys Ile Tyr
 195

<210> 208
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 208
 Met Ser Cys Phe Cys Asp Ile Ile Ser Phe His Ser Leu Ser Trp Ser
 1 5 10 15
 Leu Val Leu Leu Leu Leu Lys Pro Pro Thr Leu Ser Thr Ser Gly
 20 25 30
 Ser Leu Tyr Lys Phe Ser Leu Leu Ala Thr Phe Pro Pro Gln Ile Phe
 35 40 45
 His Ile Ile Asn Val Ser Val Tyr Met Leu Pro Pro Glu Arg Gly Leu
 50 55 60
 His Trp Leu Phe Phe Phe Asn Ser Thr Ser Thr Gln Ile Cys Ser Val
 65 70 75 80
 His Pro Leu Gln

<210> 209
 <211> 400

<212> PRT

<213> Homo sapiens

<400> 209

Met	Ala	Trp	Arg	Arg	Arg	Glu	Ala	Ser	Val	Gly	Ala	Arg	Gly	Val	Leu
1				5					10					15	
Ala	Leu	Ala	Leu	Leu	Ala	Leu	Ala	Leu	Cys	Val	Pro	Gly	Ala	Arg	Gly
			20					25					30		
Arg	Ala	Leu	Glu	Trp	Phe	Ser	Ala	Val	Val	Asn	Ile	Glu	Tyr	Val	Asp
		35					40					45			
Pro	Gln	Thr	Asn	Leu	Thr	Val	Trp	Ser	Val	Ser	Glu	Ser	Gly	Arg	Phe
		50				55					60				
Gly	Asp	Ser	Ser	Pro	Lys	Glu	Gly	Ala	His	Gly	Leu	Val	Gly	Val	Pro
65					70					75					80
Trp	Ala	Pro	Gly	Gly	Asp	Leu	Glu	Gly	Cys	Ala	Pro	Asp	Thr	Arg	Phe
				85					90					95	
Phe	Val	Pro	Glu	Pro	Gly	Gly	Arg	Gly	Ala	Ala	Pro	Trp	Val	Ala	Leu
			100					105					110		
Val	Ala	Arg	Gly	Gly	Cys	Thr	Phe	Lys	Asp	Lys	Val	Leu	Val	Ala	Ala
		115					120					125			
Arg	Arg	Asn	Ala	Ser	Ala	Val	Val	Leu	Tyr	Asn	Glu	Glu	Arg	Tyr	Gly
		130				135					140				
Asn	Ile	Thr	Leu	Pro	Met	Ser	His	Ala	Gly	Thr	Gly	Asn	Ile	Val	Val
145					150					155					160
Ile	Met	Ile	Ser	Tyr	Pro	Lys	Gly	Arg	Glu	Ile	Leu	Glu	Leu	Val	Gln
				165					170					175	
Lys	Gly	Ile	Pro	Val	Thr	Met	Thr	Ile	Gly	Val	Gly	Thr	Arg	His	Val
			180					185					190		
Gln	Glu	Phe	Ile	Ser	Gly	Gln	Ser	Val	Val	Phe	Val	Ala	Ile	Ala	Phe
		195					200					205			
Ile	Thr	Met	Met	Ile	Ile	Ser	Leu	Ala	Trp	Leu	Ile	Phe	Tyr	Tyr	Ile
	210					215					220				
Gln	Arg	Phe	Leu	Tyr	Thr	Gly	Ser	Gln	Ile	Gly	Ser	Gln	Ser	His	Arg
225					230					235					240
Lys	Glu	Thr	Lys	Lys	Val	Ile	Gly	Gln	Leu	Leu	Leu	His	Thr	Val	Lys
			245					250						255	
His	Gly	Glu	Lys	Gly	Ile	Asp	Val	Asp	Ala	Glu	Asn	Cys	Ala	Val	Cys
			260				265						270		
Ile	Glu	Asn	Phe	Lys	Val	Lys	Asp	Ile	Ile	Arg	Ile	Leu	Pro	Cys	Lys
		275					280					285			

His Ile Phe His Arg Ile Cys Ile Asp Pro Trp Leu Leu Asp His Arg
 290 295 300
 Thr Cys Pro Met Cys Lys Leu Asp Val Ile Lys Ala Leu Gly Tyr Trp
 305 310 315 320
 Gly Glu Pro Gly Asp Val Gln Glu Met Pro Ala Pro Glu Ser Pro Pro
 325 330 335
 Gly Arg Asp Pro Ala Ala Asn Leu Ser Leu Ala Leu Pro Asp Asp Asp
 340 345 350
 Gly Ser Asp Glu Ser Ser Pro Pro Ser Ala Ser Pro Ala Glu Ser Glu
 355 360 365
 Pro Gln Cys Asp Pro Ser Phe Lys Gly Asp Ala Gly Glu Asn Thr Ala
 370 375 380
 Leu Leu Glu Ala Gly Arg Ser Asp Ser Arg His Gly Gly Pro Ile Ser
 385 390 395 400

<210> 210
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 210
 Met Thr Ser Phe Leu Lys Pro Ser Pro Pro Met Ala Ser Met Ser Ser
 1 5 10 15
 Pro Leu Trp Val Cys Leu Phe Thr Ser Gly Cys Ser Leu Ser Val Ser
 20 25 30
 Ser Met Gly Ser Ser Ser Ser Cys Ser His Thr Asn His Leu Ala Ala
 35 40 45
 Ser Arg Thr Tyr His Gly Leu Cys His Met Leu Phe Pro Leu Phe Arg
 50 55 60
 Met Val Ser Ser Pro Ser Leu Cys Leu Ala Asn Ser Ser Ser Ser Phe
 65 70 75 80
 Ser Ser Pro Leu Ile Leu Asn Val Phe Arg Glu Ala Ser Leu Asp Leu
 85 90 95
 Leu Val Arg Ser His Phe Leu Val Ile Tyr Ser Phe Ile Ala Leu Ser
 100 105 110
 Leu Gly Ala Thr Ser Pro Ser Leu Val Trp Leu Leu Glu
 115 120 125

<210> 211
 <211> 294
 <212> PRT
 <213> Homo sapiens

<400> 211
 Met Arg Pro Arg Ala Pro Ala Cys Ala Ala Ala Ala Leu Gly Leu Cys
 1 5 10 15
 Ser Leu Leu Leu Leu Leu Ala Pro Gly His Ala Cys Pro Ala Gly Cys
 20 25 30
 Ala Cys Thr Asp Pro His Thr Val Asp Cys Arg Asp Arg Gly Leu Pro
 35 40 45
 Ser Val Pro Asp Pro Phe Pro Leu Asp Val Arg Lys Leu Leu Val Ala
 50 55 60
 Gly Asn Arg Ile Gln Arg Ile Pro Glu Asp Phe Phe Ile Phe Tyr Gly
 65 70 75 80
 Asp Leu Val Tyr Leu Asp Phe Arg Asn Asn Ser Leu Arg Ser Leu Glu
 85 90 95
 Glu Gly Thr Phe Ser Gly Ser Ala Lys Leu Val Phe Leu Asp Leu Ser
 100 105 110
 Tyr Asn Asn Leu Thr Gln Leu Gly Ala Gly Ala Phe Arg Ser Ala Gly
 115 120 125
 Arg Leu Val Lys Leu Ser Leu Ala Asn Asn Asn Val Val Gly Val His
 130 135 140
 Glu Asp Ala Phe Glu Thr Leu Glu Ser Leu Gln Val Leu Glu Leu Asn
 145 150 155 160
 Asp Asn Asn Leu Arg Ser Leu Ser Val Ala Ala Leu Ala Ala Leu Pro
 165 170 175
 Ala Leu Arg Ser Leu Arg Leu Asp Gly Asn Pro Trp Leu Cys Asp Cys
 180 185 190
 Asp Phe Ala His Leu Phe Ser Trp Ile Gln Glu Asn Ala Ser Lys Leu
 195 200 205
 Pro Lys Gly Leu Asp Glu Ile Gln Cys Ser Leu Pro Met Glu Ser Arg
 210 215 220
 Arg Ile Ser Leu Arg Glu Leu Ser Glu Ala Ser Phe Ser¹ Glu Cys Arg
 225 230 235 240
 Phe Ser Leu Ser Leu Thr Asp Leu Cys Ile Ile Ile Phe Ser Gly Val
 245 250 255
 Ala Val Ser Ile Ala Ala Ile Ile Ser Ser Phe Phe Leu Ala Thr Val

260	265	270
Val Gln Cys Leu Gln Arg Cys Ala Pro Asn Lys Asp Ala Glu Asp Glu		
275	280	285
Asp Glu Asp Glu Asp Asp		
290		

<210> 212
 <211> 283
 <212> PRT
 <213> Homo sapiens

<400> 212
 Met Val Ser Ala Ala Ala Pro Ser Leu Leu Ile Leu Leu Leu Leu Leu
 1 5 10 15
 Leu Gly Ser Val Pro Ala Thr Asp Ala Arg Ser Val Pro Leu Lys Ala
 20 25 30
 Thr Phe Leu Glu Asp Val Ala Gly Ser Gly Glu Ala Glu Gly Ser Ser
 35 40 45
 Ala Ser Ser Pro Ser Leu Pro Pro Pro Trp Thr Pro Ala Leu Ser Pro
 50 55 60
 Thr Ser Met Gly Pro Gln Pro Thr Thr Leu Gly Gly Pro Ser Pro Pro
 65 70 75 80
 Thr Asn Phe Leu Asp Gly Ile Val Asp Phe Phe Arg Gln Tyr Val Met
 85 90 95
 Leu Ile Ala Val Val Gly Ser Leu Ala Phe Leu Leu Met Phe Ile Val
 100 105 110
 Cys Ala Ala Val Ile Thr Arg Gln Lys Gln Lys Ala Ser Ala Tyr Tyr
 115 120 125
 Pro Ser Ser Phe Pro Lys Lys Lys Tyr Val Asp Gln Ser Asp Arg Ala
 130 135 140
 Gly Gly Pro Arg Ala Phe Ser Glu Val Pro Asp Arg Ala Pro Asp Ser
 145 150 155 160
 Arg Pro Glu Glu Ala Leu Asp Ser Ser Arg Gln Leu Gln Ala Asp Ile
 165 170 175
 Leu Ala Ala Thr Gln Asn Leu Lys Ser Pro Thr Arg Ala Ala Leu Gly
 180 185 190
 Gly Gly Asp Gly Ala Arg Met Val Glu Gly Arg Gly Ala Glu Glu Glu
 195 200 205
 Glu Lys Gly Ser Gln Glu Gly Asp Gln Glu Val Gln Gly His Gly Val
 210 215 220

Pro Val Glu Thr Pro Glu Ala Gln Glu Glu Pro Cys Ser Gly Val Leu
 225 230 235 240
 Glu Gly Ala Val Val Ala Gly Glu Gly Gln Gly Glu Leu Glu Gly Ser
 245 250 255
 Leu Leu Leu Ala Gln Glu Ala Gln Gly Pro Val Gly Pro Pro Glu Ser
 260 265 270
 Pro Cys Ala Cys Ser Ser Val His Pro Ser Val
 275 280

<210> 213
 <211> 396
 <212> PRT
 <213> Homo sapiens

<400> 213
 Met Ser Ala Thr Asp Arg Met Gly Pro Arg Ala Val Pro Gly Leu Arg
 1 5 10 15
 Leu Ala Leu Leu Leu Leu Val Leu Gly Thr Pro Lys Ser Gly Val
 20 25 30
 Gln Gly Gln Glu Gly Leu Asp Phe Pro Glu Tyr Asp Gly Val Asp Arg
 35 40 45
 Val Ile Asn Val Asn Ala Lys Asn Tyr Lys Asn Val Phe Lys Lys Tyr
 50 55 60
 Glu Val Leu Ala Leu Leu Tyr His Glu Pro Pro Glu Asp Asp Lys Ala
 65 70 75 80
 Ser Gln Arg Gln Phe Glu Met Glu Glu Leu Ile Leu Glu Leu Ala Ala
 85 90 95
 Gln Val Leu Glu Asp Lys Gly Val Gly Phe Gly Leu Val Asp Ser Glu
 100 105 110
 Lys Asp Ala Ala Val Ala Lys Lys Leu Gly Leu Thr Glu Val Asp Ser
 115 120 125
 Met Tyr Val Phe Lys Gly Asp Glu Val Ile Glu Tyr Asp Gly Glu Phe
 130 135 140
 Ser Ala Asp Thr Ile Val Glu Phe Leu Leu Asp Val Leu Glu Asp Pro
 145 150 155 160
 Val Glu Leu Ile Glu Gly Glu Arg Glu Leu Gln Ala Phe Glu Asn Ile
 165 170 175
 Glu Asp Glu Ile Lys Leu Ile Gly Tyr Phe Lys Ser Lys Asp Ser Glu
 180 185 190

His Tyr Lys Ala Phe Glu Asp Ala Ala Glu Glu Phe His Pro Tyr Ile
 195 200 205
 Pro Phe Phe Ala Thr Phe Asp Ser Lys Val Ala Lys Lys Leu Thr Leu
 210 215 220
 Lys Leu Asn Glu Ile Asp Phe Tyr Glu Ala Phe Met Glu Glu Pro Val
 225 230 235 240
 Thr Ile Pro Asp Lys Pro Asn Ser Glu Glu Glu Ile Val Asn Phe Val
 245 250 255
 Glu Glu His Arg Arg Ser Thr Leu Arg Lys Leu Lys Pro Glu Ser Met
 260 265 270
 Tyr Glu Thr Trp Glu Asp Asp Met Asp Gly Ile His Ile Val Ala Phe
 275 280 285
 Ala Glu Glu Ala Asp Pro Asp Gly Phe Glu Phe Leu Glu Thr Leu Lys
 290 295 300
 Ala Val Ala Gln Asp Asn Thr Glu Asn Pro Asp Leu Ser Ile Ile Trp
 305 310 315 320
 Ile Asp Pro Asp Asp Phe Pro Leu Leu Val Pro Tyr Trp Glu Lys Thr
 325 330 335
 Phe Asp Ile Asp Leu Ser Ala Pro Gln Ile Gly Val Val Asn Val Thr
 340 345 350
 Asp Ala Asp Ser Val Trp Met Glu Met Asp Asp Glu Glu Asp Leu Pro
 355 360 365
 Ser Ala Glu Glu Leu Glu Asp Trp Leu Glu Asp Val Leu Glu Gly Glu
 370 375 380
 Ile Asn Thr Glu Asp Asp Asp Asp Asp Asp Asp
 385 390 395

<210> 214
 <211> 672
 <212> PRT
 <213> Homo sapiens

<400> 214
 Met Gln Lys Ala Ser Val Leu Leu Phe Leu Ala Trp Val Cys Phe Leu
 1 5 10 15
 Phe Tyr Ala Gly Ile Ala Leu Phe Thr Ser Gly Phe Leu Leu Thr Arg
 20 25 30
 Leu Glu Leu Thr Asn His Ser Ser Cys Gln Glu Pro Pro Gly Pro Gly
 35 40 45
 Ser Leu Pro Trp Gly Ser Gln Gly Lys Pro Gly Ala Cys Trp Met Ala

50					55					60					
Ser	Arg	Phe	Ser	Arg	Val	Val	Leu	Val	Leu	Ile	Asp	Ala	Leu	Arg	Phe
65					70					75					80
Asp	Phe	Ala	Gln	Pro	Gln	His	Ser	His	Val	Pro	Arg	Glu	Pro	Pro	Val
				85					90					95	
Ser	Leu	Pro	Phe	Leu	Gly	Lys	Leu	Ser	Ser	Leu	Gln	Arg	Ile	Leu	Glu
			100					105					110		
Ile	Gln	Pro	His	His	Ala	Arg	Leu	Tyr	Arg	Ser	Gln	Val	Asp	Pro	Pro
		115					120					125			
Thr	Thr	Thr	Met	Gln	Arg	Leu	Lys	Ala	Leu	Thr	Thr	Gly	Ser	Leu	Pro
		130					135					140			
Thr	Phe	Ile	Asp	Ala	Gly	Ser	Asn	Phe	Ala	Ser	His	Ala	Ile	Val	Glu
145					150					155					160
Asp	Asn	Leu	Ile	Lys	Gln	Leu	Thr	Ser	Ala	Gly	Arg	Arg	Val	Val	Phe
				165					170					175	
Met	Gly	Asp	Asp	Thr	Trp	Lys	Asp	Leu	Phe	Pro	Gly	Ala	Phe	Ser	Lys
			180					185					190		
Ala	Phe	Phe	Phe	Pro	Ser	Phe	Asn	Val	Arg	Asp	Leu	Asp	Thr	Val	Asp
			195				200					205			
Asn	Gly	Ile	Leu	Glu	His	Leu	Tyr	Pro	Thr	Met	Asp	Ser	Gly	Glu	Trp
	210					215					220				
Asp	Val	Leu	Ile	Ala	His	Phe	Leu	Gly	Val	Asp	His	Cys	Gly	His	Lys
225					230					235					240
His	Gly	Pro	His	His	Pro	Glu	Met	Ala	Lys	Lys	Leu	Ser	Gln	Met	Asp
				245					250					255	
Gln	Val	Ile	Gln	Gly	Leu	Val	Glu	Arg	Leu	Glu	Asn	Asp	Thr	Leu	Leu
			260					265					270		
Val	Val	Ala	Gly	Asp	His	Gly	Met	Thr	Thr	Asn	Gly	Asp	His	Gly	Gly
		275					280					285			
Asp	Ser	Glu	Leu	Glu	Val	Ser	Ala	Ala	Leu	Phe	Leu	Tyr	Ser	Pro	Thr
	290					295					300				
Ala	Val	Phe	Pro	Ser	Thr	Pro	Pro	Glu	Glu	Pro	Glu	Val	Ile	Pro	Gln
305					310					315					320
Val	Ser	Leu	Val	Pro	Thr	Leu	Ala	Leu	Leu	Leu	Gly	Leu	Pro	Ile	Pro
				325					330					335	
Phe	Gly	Asn	Ile	Gly	Glu	Val	Met	Ala	Glu	Leu	Phe	Ser	Gly	Gly	Glu
			340					345					350		
Asp	Ser	Gln	Pro	His	Ser	Ser	Ala	Leu	Ala	Gln	Ala	Ser	Ala	Leu	His

355					360					365					
Leu	Asn	Ala	Gln	Gln	Val	Ser	Arg	Phe	Leu	His	Thr	Tyr	Ser	Ala	Ala
370						375					380				
Thr	Gln	Asp	Leu	Gln	Ala	Lys	Glu	Leu	His	Gln	Leu	Gln	Asn	Leu	Phe
385					390					395					400
Ser	Lys	Ala	Ser	Ala	Asp	Tyr	Gln	Trp	Leu	Leu	Gln	Ser	Pro	Lys	Gly
				405					410					415	
Ala	Glu	Ala	Thr	Leu	Pro	Thr	Val	Ile	Ala	Glu	Leu	Gln	Gln	Phe	Leu
			420					425						430	
Arg	Gly	Ala	Arg	Ala	Met	Cys	Ile	Glu	Ser	Trp	Ala	Arg	Phe	Ser	Leu
		435					440					445			
Ser	Phe	Leu	Leu	Leu	His	Leu	Leu	Ala	Ala	Gly	Ile	Pro	Val	Thr	Thr
	450					455					460				
Pro	Gly	Pro	Phe	Thr	Val	Pro	Trp	Gln	Ala	Val	Ser	Ala	Trp	Ala	Leu
465					470					475					480
Met	Ala	Thr	Gln	Thr	Phe	Tyr	Ser	Thr	Gly	His	Gln	Pro	Val	Phe	Pro
				485					490					495	
Ala	Ile	His	Trp	His	Ala	Ala	Phe	Val	Gly	Phe	Pro	Glu	Gly	His	Gly
			500					505						510	
Ser	Cys	Thr	Trp	Leu	Pro	Ala	Leu	Leu	Val	Gly	Ala	Asn	Thr	Phe	Ala
		515					520					525			
Ser	His	Leu	Leu	Phe	Ala	Val	Gly	Cys	Pro	Leu	Leu	Leu	Leu	Trp	Pro
	530					535					540				
Phe	Leu	Cys	Glu	Ser	Gln	Gly	Leu	Arg	Lys	Arg	Gln	Gln	Pro	Pro	Gly
545					550					555					560
Asn	Glu	Ala	Asp	Ala	Arg	Val	Arg	Pro	Glu	Glu	Glu	Glu	Glu	Pro	Leu
				565					570					575	
Met	Glu	Met	Arg	Leu	Arg	Asp	Ala	Pro	Gln	His	Phe	Tyr	Ala	Ala	Leu
			580					585					590		
Leu	Gln	Leu	Gly	Leu	Lys	Tyr	Leu	Phe	Ile	Leu	Gly	Ile	Gln	Ile	Leu
		595					600					605			
Ala	Cys	Ala	Leu	Ala	Ala	Ser	Ile	Leu	Arg	Arg	His	Leu	Met	Val	Trp
	610					615					620				
Lys	Val	Phe	Ala	Pro	Lys	Phe	Ile	Phe	Glu	Ala	Val	Gly	Phe	Ile	Val
625					630					635					640
Ser	Ser	Val	Gly	Leu	Leu	Gly	Ile	Ala	Leu	Val	Met	Arg	Val	Asp	
				645				650					655		
Gly	Ala	Val	Ser	Ser	Trp	Phe	Arg	Gln	Leu	Phe	Leu	Ala	Gln	Gln	Arg

660

665

670

<210> 215
 <211> 160
 <212> PRT
 <213> Homo sapiens

<400> 215
 Met Glu Gly Ala Glu Leu Ala Gly Lys Ile Leu Ser Thr Trp Leu Thr
 1 5 10 15
 Leu Val Leu Gly Phe Ile Leu Leu Pro Ser Val Phe Gly Val Ser Leu
 20 25 30
 Gly Ile Ser Glu Ile Tyr Met Lys Ile Leu Val Lys Thr Leu Glu Trp
 35 40 45
 Ala Thr Ile Arg Ile Glu Lys Gly Thr Pro Lys Glu Ser Ile Leu Lys
 50 55 60
 Asn Ser Ala Ser Val Gly Ile Ile Gln Arg Asp Glu Ser Pro Met Glu
 65 70 75 80
 Lys Gly Leu Ser Gly Leu Arg Gly Arg Asp Phe Glu Leu Ser Asp Val
 85 90 95
 Phe Tyr Phe Ser Lys Lys Gly Leu Glu Ala Ile Val Glu Asp Glu Val
 100 105 110
 Thr Gln Arg Phe Ser Ser Glu Glu Leu Val Ser Trp Asn Leu Leu Thr
 115 120 125
 Arg Thr Asn Val Asn Phe Gln Tyr Ile Ser Leu Arg Leu Thr Met Val
 130 135 140
 Trp Val Leu Gly Val Ile Val Arg Tyr Cys Val Leu Leu Pro Leu Arg
 145 150 155 160

<210> 216
 <211> 215
 <212> PRT
 <213> Homo sapiens

<400> 216
 Met Gly Leu Glu Lys Pro Gln Ser Lys Leu Glu Gly Gly Met His Pro
 1 5 10 15

Gln Leu Ile Pro Ser Val Ile Ala Val Val Phe Ile Leu Leu Leu Ser
 20 25 30
 Val Cys Phe Ile Ala Ser Cys Leu Val Thr His His Asn Phe Ser Arg
 35 40 45
 Cys Lys Arg Gly Thr Gly Val His Lys Leu Glu His His Ala Lys Leu
 50 55 60
 Lys Cys Ile Lys Glu Lys Ser Glu Leu Lys Ser Ala Glu Gly Ser Thr
 65 70 75 80
 Trp Asn Cys Cys Pro Ile Asp Trp Arg Ala Phe Gln Ser Asn Cys Tyr
 85 90 95
 Phe Pro Leu Thr Asp Asn Lys Thr Trp Ala Glu Ser Glu Arg Asn Cys
 100 105 110
 Ser Gly Met Gly Ala His Leu Met Thr Ile Ser Thr Glu Ala Glu Gln
 115 120 125
 Asn Phe Ile Ile Gln Phe Leu Asp Arg Arg Leu Ser Tyr Phe Leu Gly
 130 135 140
 Leu Arg Asp Glu Asn Ala Lys Gly Gln Trp Arg Trp Val Asp Gln Thr
 145 150 155 160
 Pro Phe Asn Pro Arg Arg Val Phe Trp His Lys Asn Glu Pro Asp Asn
 165 170 175
 Ser Gln Gly Glu Asn Cys Val Val Leu Val Tyr Asn Gln Asp Lys Trp
 180 185 190
 Ala Trp Asn Asp Val Pro Cys Asn Phe Glu Ala Ser Arg Ile Cys Lys
 195 200 205
 Ile Pro Gly Thr Thr Leu Asn
 210 215

<210> 217
 <211> 535
 <212> PRT
 <213> Homo sapiens

<400> 217
 Met Lys Leu Trp Val Ser Ala Leu Leu Met Ala Trp Phe Gly Val Leu
 1 5 10 15
 Ser Cys Val Gln Ala Glu Phe Phe Thr Ser Ile Gly His Met Thr Asp
 20 25 30
 Leu Ile Tyr Ala Glu Lys Glu Leu Val Gln Ser Leu Lys Glu Tyr Ile
 35 40 45
 Leu Val Glu Glu Ala Lys Leu Ser Lys Ile Lys Ser Trp Ala Asn Lys

50					55					60					
Met	Glu	Ala	Leu	Thr	Ser	Lys	Ser	Ala	Ala	Asp	Ala	Glu	Gly	Tyr	Leu
65					70					75					80
Ala	His	Pro	Val	Asn	Ala	Tyr	Lys	Leu	Val	Lys	Arg	Leu	Asn	Thr	Asp
				85					90					95	
Trp	Pro	Ala	Leu	Glu	Asp	Leu	Val	Leu	Gln	Asp	Ser	Ala	Ala	Gly	Phe
			100					105					110		
Ile	Ala	Asn	Leu	Ser	Val	Gln	Arg	Gln	Phe	Phe	Pro	Thr	Asp	Glu	Asp
		115					120					125			
Glu	Ile	Gly	Ala	Ala	Lys	Ala	Leu	Met	Arg	Leu	Gln	Asp	Thr	Tyr	Arg
		130				135					140				
Leu	Asp	Pro	Gly	Thr	Ile	Ser	Arg	Gly	Glu	Leu	Pro	Gly	Thr	Lys	Tyr
145					150					155					160
Gln	Ala	Met	Leu	Ser	Val	Asp	Asp	Cys	Phe	Gly	Met	Gly	Arg	Ser	Ala
				165					170					175	
Tyr	Asn	Glu	Gly	Asp	Tyr	Tyr	His	Thr	Val	Leu	Trp	Met	Glu	Gln	Val
			180					185					190		
Leu	Lys	Gln	Leu	Asp	Ala	Gly	Glu	Glu	Ala	Thr	Thr	Thr	Lys	Ser	Gln
		195					200					205			
Val	Leu	Asp	Tyr	Leu	Ser	Tyr	Ala	Val	Phe	Gln	Leu	Gly	Asp	Leu	His
		210				215					220				
Arg	Ala	Leu	Glu	Leu	Thr	Arg	Arg	Leu	Leu	Ser	Leu	Asp	Pro	Ser	His
225					230					235					240
Glu	Arg	Ala	Gly	Gly	Asn	Leu	Arg	Tyr	Phe	Glu	Gln	Leu	Leu	Glu	Glu
				245					250					255	
Glu	Arg	Glu	Lys	Thr	Leu	Thr	Asn	Gln	Thr	Glu	Ala	Glu	Leu	Ala	Thr
			260					265					270		
Pro	Glu	Gly	Ile	Tyr	Glu	Arg	Pro	Val	Asp	Tyr	Leu	Pro	Glu	Arg	Asp
		275					280					285			
Val	Tyr	Glu	Ser	Leu	Cys	Arg	Gly	Glu	Gly	Val	Lys	Leu	Thr	Pro	Arg
		290				295					300				
Arg	Gln	Lys	Arg	Leu	Phe	Cys	Arg	Tyr	His	His	Gly	Asn	Arg	Ala	Pro
305					310					315					320
Gln	Leu	Leu	Ile	Ala	Pro	Phe	Lys	Glu	Glu	Asp	Glu	Trp	Asp	Ser	Pro
				325					330					335	
His	Ile	Val	Arg	Tyr	Tyr	Asp	Val	Met	Ser	Asp	Glu	Glu	Ile	Glu	Arg
			340					345					350		
Ile	Lys	Glu	Ile	Ala	Lys	Pro	Lys	Leu	Ala	Arg	Ala	Thr	Val	Arg	Asp

355					360					365					
Pro	Lys	Thr	Gly	Val	Leu	Thr	Val	Ala	Ser	Tyr	Arg	Val	Ser	Lys	Ser
370					375					380					
Ser	Trp	Leu	Glu	Glu	Asp	Asp	Asp	Pro	Val	Val	Ala	Arg	Val	Asn	Arg
385					390					395					400
Arg	Met	Gln	His	Ile	Thr	Gly	Leu	Thr	Val	Lys	Thr	Ala	Glu	Leu	Leu
				405					410					415	
Gln	Val	Ala	Asn	Tyr	Gly	Val	Gly	Gly	Gln	Tyr	Glu	Pro	His	Phe	Asp
			420					425						430	
Phe	Ser	Arg	Asn	Asp	Glu	Arg	Asp	Thr	Phe	Lys	His	Leu	Gly	Thr	Gly
			435				440						445		
Asn	Arg	Val	Ala	Thr	Phe	Leu	Asn	Tyr	Met	Ser	Asp	Val	Glu	Ala	Gly
			450				455					460			
Gly	Ala	Thr	Val	Phe	Pro	Asp	Leu	Gly	Ala	Ala	Ile	Trp	Pro	Lys	Lys
465					470					475					480
Gly	Thr	Ala	Val	Phe	Trp	Tyr	Asn	Leu	Leu	Arg	Ser	Gly	Glu	Gly	Asp
				485					490					495	
Tyr	Arg	Thr	Arg	His	Ala	Ala	Cys	Pro	Val	Leu	Val	Gly	Cys	Lys	Trp
			500					505						510	
Val	Ser	Asn	Lys	Trp	Phe	His	Glu	Arg	Gly	Gln	Glu	Phe	Leu	Arg	Pro
			515				520					525			
Cys	Gly	Ser	Thr	Glu	Val	Asp									
530					535										

<210> 218
 <211> 314
 <212> PRT
 <213> Homo sapiens

<400> 218															
Met	Ser	Phe	Leu	Cys	Ser	Trp	Leu	Leu	Phe	Ala	Met	Ala	Trp	Trp	Leu
1				5					10					15	
Ile	Ala	Phe	Ala	His	Gly	Asp	Leu	Ala	Pro	Ser	Glu	Gly	Thr	Ala	Glu
			20					25					30		
Pro	Cys	Val	Thr	Ser	Ile	His	Ser	Phe	Ser	Ser	Ala	Phe	Leu	Phe	Ser
			35				40					45			
Ile	Glu	Val	Gln	Val	Thr	Ile	Gly	Phe	Gly	Gly	Arg	Met	Val	Thr	Glu
	50					55					60				
Glu	Cys	Pro	Leu	Ala	Ile	Leu	Ile	Leu	Ile	Val	Gln	Asn	Ile	Val	Gly
65					70					75					80

Leu Met Ile Asn Ala Ile Met Leu Gly Cys Ile Phe Met Lys Thr Ala
 85 90 95
 Gln Ala His Arg Arg Ala Glu Thr Leu Ile Phe Ser Lys His Ala Val
 100 105 110
 Ile Ala Leu Arg His Gly Arg Leu Cys Phe Met Leu Arg Val Gly Asp
 115 120 125
 Leu Arg Lys Ser Met Ile Ile Ser Ala Thr Ile His Met Gln Val Val
 130 135 140
 Arg Lys Thr Thr Ser Pro Glu Gly Glu Val Val Pro Leu His Gln Val
 145 150 155 160
 Asp Ile Pro Met Glu Asn Gly Val Gly Gly Asn Ser Ile Phe Leu Val
 165 170 175
 Ala Pro Leu Ile Ile Tyr His Val Ile Asp Ala Asn Ser Pro Leu Tyr
 180 185 190
 Asp Leu Ala Pro Ser Asp Leu His His His Gln Asp Leu Glu Ile Ile
 195 200 205
 Val Ile Leu Glu Gly Val Val Glu Thr Thr Gly Ile Thr Thr Gln Ala
 210 215 220
 Arg Thr Ser Tyr Leu Ala Asp Glu Ile Leu Trp Gly Gln Arg Phe Val
 225 230 235 240
 Pro Ile Val Ala Glu Glu Asp Gly Arg Tyr Ser Val Asp Tyr Ser Lys
 245 250 255
 Phe Gly Asn Thr Ile Lys Val Pro Thr Pro Leu Cys Thr Ala Arg Gln
 260 265 270
 Leu Asp Glu Asp His Ser Leu Leu Glu Ala Leu Thr Leu Ala Ser Ala
 275 280 285
 Arg Gly Pro Leu Arg Lys Arg Ser Val Pro Met Ala Lys Ala Lys Pro
 290 295 300
 Lys Phe Ser Ile Ser Pro Asp Ser Leu Ser
 305 310

<210> 219
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 219
 Met Ala Leu Pro Leu Arg Pro Leu Thr Arg Gly Leu Ala Ser Ala Ala
 1 5 10 15

Lys Gly Gly His Gly Gly Ala Gly Ala Arg Thr Trp Arg Leu Leu Thr
 20 25 30
 Phe Val Leu Ala Leu Pro Ser Val Ala Leu Cys Thr Phe Asn Ser Tyr
 35 40 45
 Leu His Ser Gly His Arg Pro Arg Pro Glu Phe Arg Pro Tyr Gln His
 50 55 60
 Leu Arg Ile Arg Thr Lys Pro Tyr Pro Trp Gly Asp Gly Asn His Thr
 65 70 75 80
 Leu Phe His Asn Ser His Val Asn Pro Leu Pro Thr Gly Tyr Glu His
 85 90 95
 Pro

<210> 220
 <211> 218
 <212> PRT
 <213> Homo sapiens

<400> 220
 Met Thr Gln Pro Val Pro Arg Leu Ser Val Pro Ala Ala Leu Ala Leu
 1 5 10 15
 Gly Ser Ala Ala Leu Gly Ala Ala Phe Ala Thr Gly Leu Phe Leu Ala
 20 25 30
 Asp Pro Gly Ala Ala Ala Gly Gly Phe Tyr Asp Asp Leu Arg Ala Gly
 35 40 45
 Pro Ala Leu Gly Gln Pro Gly Ala Ala His Pro Gly Gln Glu Gly Ala
 50 55 60
 Gly Pro Gly His Leu His Gly Leu Leu Arg Pro Gly Pro Gly Pro Gly
 65 70 75 80
 Ala Ala Arg Gly Arg Ala Arg Gly Asp Leu Arg Gly Gly Arg Ala Ala
 85 90 95
 Pro Gly Ala Gly Thr Ala Pro Val Glu Ala Glu Ala Glu His Lys Ile
 100 105 110
 Asp Leu Arg Leu Lys Pro Ala Leu Glu Thr Leu Asp Glu Leu Leu Ala
 115 120 125
 Ala Gly Glu Ala Gly Thr Phe Asp Val Ala Val Val Asp Ala Asp Lys
 130 135 140
 Glu Asn Cys Ser Ala Tyr Tyr Glu Arg Cys Leu Gln Leu Leu Arg Pro
 145 150 155 160
 Gly Gly Ile Leu Ala Val Leu Arg Val Leu Trp Arg Gly Lys Val Leu

	165		170		175
Gln Pro Pro Lys Gly Asp Val Ala Ala Glu Cys Val Arg Asn Leu Asn					
	180		185		190
Glu Arg Ile Arg Arg Asp Val Arg Val Tyr Ile Ser Leu Leu Pro Leu					
	195		200		205
Gly Asp Gly Leu Thr Leu Ala Phe Lys Ile					
	210		215		

<210> 221
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Pro Leu Trp Val Phe Leu Phe Leu Trp Ala Pro Gln Thr Leu Ala
 1 5 10 15
 Ala Thr Ala Arg Lys Leu Glu Arg Asn Gln Ile Glu Phe Ala Leu Lys
 20 25 30
 Cys Phe Tyr Gly Asp Lys Met Ile Thr Lys Arg Lys Glu Val Gly Asn
 35 40 45
 Arg Gly Arg Ala Arg Trp Leu Thr Pro Val Ile Pro Ala Ile Trp Glu
 50 55 60
 Val Glu Val Gly Gly Ser Pro Glu Val Arg Arg Ser Arg Pro Ala Trp
 65 70 75 80
 Pro Ile Trp

<210> 222
 <211> 672
 <212> PRT
 <213> Homo sapiens

<400> 222
 Met Gln Lys Ala Ser Val Leu Leu Phe Leu Ala Trp Val Cys Phe Leu
 1 5 10 15
 Phe Tyr Ala Gly Ile Ala Leu Phe Thr Ser Gly Phe Leu Leu Thr Arg
 20 25 30
 Leu Glu Leu Thr Asn His Ser Ser Cys Gln Glu Pro Pro Gly Pro Gly
 35 40 45
 Ser Leu Pro Trp Gly Ser Gln Gly Lys Pro Gly Ala Cys Trp Met Ala
 50 55 60

Ser	Arg	Phe	Ser	Arg	Val	Val	Leu	Val	Leu	Ile	Asp	Ala	Leu	Arg	Phe	65	70	75	80
Asp	Phe	Ala	Gln	Pro	Gln	His	Ser	His	Val	Pro	Arg	Glu	Pro	Pro	Val	85	90	95	
Ser	Leu	Pro	Phe	Leu	Gly	Lys	Leu	Ser	Ser	Leu	Gln	Arg	Ile	Leu	Glu	100	105	110	
Ile	Gln	Pro	His	His	Ala	Arg	Leu	Tyr	Arg	Ser	Gln	Val	Asp	Pro	Pro	115	120	125	
Thr	Thr	Thr	Met	Gln	Arg	Leu	Lys	Ala	Leu	Thr	Thr	Gly	Ser	Leu	Pro	130	135	140	
Thr	Phe	Ile	Asp	Ala	Gly	Ser	Asn	Phe	Ala	Ser	His	Ala	Ile	Val	Glu	145	150	155	160
Asp	Asn	Leu	Ile	Lys	Gln	Leu	Thr	Ser	Ala	Gly	Arg	Arg	Val	Val	Phe	165	170	175	
Met	Gly	Asp	Asp	Thr	Trp	Lys	Asp	Leu	Phe	Pro	Gly	Ala	Phe	Ser	Lys	180	185	190	
Ala	Phe	Phe	Phe	Pro	Ser	Phe	Asn	Val	Arg	Asp	Leu	Asp	Thr	Val	Asp	195	200	205	
Asn	Gly	Ile	Leu	Glu	His	Leu	Tyr	Pro	Thr	Met	Asp	Ser	Gly	Glu	Trp	210	215	220	
Asp	Val	Leu	Ile	Ala	His	Phe	Leu	Gly	Val	Asp	His	Cys	Gly	His	Lys	225	230	235	240
His	Gly	Pro	His	His	Pro	Glu	Met	Ala	Lys	Lys	Leu	Ser	Gln	Met	Asp	245	250	255	
Gln	Val	Ile	Gln	Gly	Leu	Val	Glu	Arg	Leu	Glu	Asn	Asp	Thr	Leu	Leu	260	265	270	
Val	Val	Ala	Gly	Asp	His	Gly	Met	Thr	Thr	Asn	Gly	Asp	His	Gly	Gly	275	280	285	
Asp	Ser	Glu	Leu	Glu	Val	Ser	Ala	Ala	Leu	Phe	Leu	Tyr	Ser	Pro	Thr	290	295	300	
Ala	Val	Phe	Pro	Ser	Thr	Pro	Pro	Glu	Glu	Pro	Glu	Val	Ile	Pro	Gln	305	310	315	320
Val	Ser	Leu	Val	Pro	Thr	Leu	Ala	Leu	Leu	Leu	Gly	Leu	Pro	Ile	Pro	325	330	335	
Phe	Gly	Asn	Ile	Gly	Glu	Val	Met	Ala	Glu	Leu	Phe	Ser	Gly	Gly	Glu	340	345	350	
Asp	Ser	Gln	Pro	His	Ser	Ser	Ala	Leu	Ala	Gln	Ala	Ser	Ala	Leu	His	355	360	365	

Leu Asn Ala Gln Gln Val Ser Arg Phe Leu His Thr Tyr Ser Ala Ala
 370 375 380
 Thr Gln Asp Leu Gln Ala Lys Glu Leu His Gln Leu Gln Asn Leu Phe
 385 390 395 400
 Ser Lys Ala Ser Ala Asp Tyr Gln Trp Leu Leu Gln Ser Pro Lys Gly
 405 410 415
 Ala Glu Ala Thr Leu Pro Thr Val Ile Ala Glu Leu Gln Gln Phe Leu
 420 425 430
 Arg Gly Ala Arg Ala Met Cys Ile Glu Ser Trp Ala Arg Phe Ser Leu
 435 440 445
 Ser Phe Leu Leu Leu His Leu Leu Ala Ala Gly Ile Pro Val Thr Thr
 450 455 460
 Pro Gly Pro Phe Thr Val Pro Trp Gln Ala Val Ser Ala Trp Ala Leu
 465 470 475 480
 Met Ala Thr Gln Thr Phe Tyr Ser Thr Gly His Gln Pro Val Phe Pro
 485 490 495
 Ala Ile His Trp His Ala Ala Phe Val Gly Phe Pro Glu Gly His Gly
 500 505 510
 Ser Cys Thr Trp Leu Pro Ala Leu Leu Val Gly Ala Asn Thr Phe Ala
 515 520 525
 Ser His Leu Leu Phe Ala Val Gly Cys Pro Leu Leu Leu Trp Pro
 530 535 540
 Phe Leu Cys Glu Ser Gln Gly Leu Arg Lys Arg Gln Gln Pro Pro Gly
 545 550 555 560
 Asn Glu Ala Asp Ala Arg Val Arg Pro Glu Glu Glu Glu Glu Pro Leu
 565 570 575
 Met Glu Met Arg Leu Arg Asp Ala Pro Gln His Phe Tyr Ala Ala Leu
 580 585 590
 Leu Gln Leu Gly Leu Lys Tyr Leu Phe Ile Leu Gly Ile Gln Ile Leu
 595 600 605
 Ala Cys Ala Leu Ala Ala Ser Ile Leu Arg Arg His Leu Met Val Trp
 610 615 620
 Lys Val Phe Ala Pro Lys Phe Ile Phe Glu Ala Val Gly Phe Ile Val
 625 630 635 640
 Ser Ser Val Gly Leu Leu Leu Gly Ile Ala Leu Val Met Arg Val Asp
 645 650 655
 Gly Ala Val Ser Ser Trp Phe Arg Gln Leu Phe Leu Ala Gln Gln Arg
 660 665 670

<210> 223
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 223
 Met Leu Ser Leu Pro Trp Ala Phe Leu Ser Val Met Phe Ser Phe Ser
 1 5 10 15
 Cys Ser Phe Ser Asp Phe Ser Cys Leu Cys Cys Ser Gln Ala Cys Pro
 20 25 30
 Ser Val Ser Thr Asp Thr Gln Cys Leu Val Ser Gly Gln Leu Arg Gly
 35 40 45
 Gly Gly Phe Lys Gln Asn Ser Asp Ser Leu Gly Trp Gly Ile Arg Asn
 50 55 60
 Trp Gly Lys Leu Asn Asp Pro Glu Ile Pro Pro Arg Gly Val Ser Gly
 65 70 75 80
 Arg Ile Cys Ala Trp Thr Val Ala Glu Pro Phe Gln Cys Ser Phe Gly
 85 90 95
 Ser Asp Phe Ile Ser Leu Asn Lys Val Pro Ile Ser Leu
 100 105

<210> 224
 <211> 90
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 224
 Met Leu Pro Gln His Arg Trp Trp Ser Met Cys Pro Tyr Leu Cys Ala
 1 5 10 15
 Cys Leu Gly Leu Ala Ser Cys Leu Ile Pro Ile Ile Pro Ala Leu Trp
 20 25 30
 Glu Ala Glu Ala Gly Gly Ser Leu Glu Ala Arg Ser Leu Arg Pro Thr
 35 40 45
 Arg Thr Ala Trp Ser Pro Gln Glu Ala Cys Arg Ala Gln Ala Pro Pro
 50 55 60

Ala Thr Ser Glu Pro Gln Ala Gln Ala Arg Glu Gly Ser Leu Gln Leu
65 70 75 80

Gln Phe Pro Leu Pro Gly Met Leu Xaa Pro
85 90

<210> 225

<211> 331

<212> PRT

<213> Homo sapiens

<400> 225

Met Ser Arg Tyr Leu Leu Pro Leu Ser Ala Leu Gly Thr Val Ala Gly
1 5 10 15

Ala Ala Val Leu Leu Lys Asp Tyr Val Thr Gly Gly Ala Cys Pro Ser
20 25 30

Lys Ala Thr Ile Pro Gly Lys Thr Val Ile Val Thr Gly Ala Asn Thr
35 40 45

Gly Ile Gly Lys Gln Thr Ala Leu Glu Leu Ala Arg Arg Gly Gly Asn
50 55 60

Ile Ile Leu Ala Cys Arg Asp Met Glu Lys Cys Glu Ala Ala Ala Lys
65 70 75 80

Asp Ile Arg Gly Glu Thr Leu Asn His His Val Asn Ala Arg His Leu
85 90 95

Asp Leu Ala Ser Leu Lys Ser Ile Arg Glu Phe Ala Ala Lys Ile Ile
100 105 110

Glu Glu Glu Glu Arg Val Asp Ile Leu Ile Asn Asn Ala Gly Val Met
115 120 125

Arg Cys Pro His Trp Thr Thr Glu Asp Gly Phe Glu Met Gln Phe Gly
130 135 140

Val Asn His Leu Gly His Phe Leu Leu Thr Asn Leu Leu Leu Asp Lys
145 150 155 160

Leu Lys Ala Ser Ala Pro Ser Arg Ile Ile Asn Leu Ser Ser Leu Ala
165 170 175

His Val Ala Gly His Ile Asp Phe Asp Asp Leu Asn Trp Gln Thr Arg
180 185 190

Lys Tyr Asn Thr Lys Ala Ala Tyr Cys Gln Ser Lys Leu Ala Ile Val
195 200 205

Leu Phe Thr Lys Glu Leu Ser Arg Arg Leu Gln Gly Ser Gly Val Thr
210 215 220

Val Asn Ala Leu His Pro Gly Val Ala Arg Thr Glu Leu Gly Arg His

225		230		235		240
Thr Gly Ile His	Gly Ser Thr Phe Ser	Ser Thr Thr Leu Gly	Pro Ile			
	245	250	255			
Phe Trp Leu Leu Val	Lys Ser Pro Glu Leu Ala Ala	Gln Pro Ser Thr				
	260	265	270			
Tyr Leu Ala Val	Ala Glu Glu Leu Ala Asp Val	Ser Gly Lys Tyr Phe				
	275	280	285			
Asp Gly Leu Lys Gln Lys	Ala Pro Ala Pro Glu Ala Glu Asp Glu Glu					
	290	295	300			
Val Ala Arg Arg Leu Trp	Ala Glu Ser Ala Arg Leu Val Gly Leu Glu					
305	310	315	320			
Ala Pro Ser Val Arg	Glu Gln Pro Leu Pro Arg					
	325	330				

<210> 226
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 226
Met Gly Trp Thr Met Arg Leu Val Thr Ala Ala Leu Leu Leu Gly Leu
1 5 10 15
Met Met Val Val Thr Gly Asp Glu Asp Glu Asn Ser Pro Cys Ala His
20 25 30
Glu Ala Leu Leu Asp Glu Asp Thr Leu Phe Cys Gln Phe Arg Ala Pro
35 40 45
Arg Leu Glu Ser Arg Gly Pro Ile Leu Arg Thr Pro Arg Ile His Gln
50 55 60
Gln Ala Pro Ser Leu Arg Lys Arg Leu Met Thr Leu Arg Leu His Ala
65 70 75 80
Arg Lys Met Ser Phe Asp Phe Lys Pro Ser Ser Gln Lys Arg Ser Phe
85 90 95
Val Phe Ile Val Thr Glu Asp Phe Cys
100 105

<210> 227
 <211> 89
 <212> PRT
 <213> Homo sapiens
 <400> 227

Met Gly Ala Pro Trp Gly Gln Pro Ser Val Ala His His Thr Leu Leu
1 5 10 15
Phe Phe Phe Phe Phe Phe Glu Met Glu Ser Cys Ser Val Ala Gln Ala
20 25 30
Gly Val His Leu Pro Asp Val Ser Ser Leu Gln Pro Pro Pro Pro Gly
35 40 45
Phe Lys Arg Phe Ser Cys Leu Ser Leu Leu Ser Ser Trp Asp Tyr Arg
50 55 60
Cys Ala Pro Thr His Pro Ala Asn Phe Cys Ile Cys Arg Arg Gly Gly
65 70 75 80
Val Ser Pro Cys Trp Pro Gly Trp Cys
85

<210> 228
<211> 205
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 228
Met Ala Pro Leu Ala Leu His Leu Leu Val Leu Val Pro Ile Leu Leu
1 5 10 15
Ser Leu Val Ala Ser Gln Asp Trp Lys Ala Glu Arg Ser Gln Asp Pro
20 25 30
Phe Glu Lys Cys Met Gln Asp Pro Asp Tyr Glu Gln Leu Leu Lys Val
35 40 45
Val Thr Trp Gly Leu Asn Arg Thr Leu Lys Pro Gln Arg Val Ile Val
50 55 60
Val Gly Ala Gly Val Ala Gly Leu Val Ala Ala Lys Val Leu Ser Asp
65 70 75 80
Ala Gly His Lys Val Thr Ile Leu Glu Ala Asp Asn Arg Ile Gly Gly
85 90 95
Arg Ile Phe Thr Tyr Arg Asp Gln Asn Thr Gly Trp Ile Gly Glu Leu
100 105 110
Xaa His Ala His Ala Gln Leu Ser Gln Asp Pro Pro Gln Ala Leu Pro
115 120 125
Gly Pro Gly Ala Gln Pro Asp Gln Val His Pro Val Arg Gln Glu His
130 135 140

Val	Asp	Gly	Gly	Ala	Arg	Ser	Glu	Ala	Ala	Gln	Leu	Cys	Gly	Gly	Glu
145					150					155					160
Gly	Ala	Arg	Glu	Ala	Gly	Leu	Arg	Leu	Ala	Ser	Pro	Gly	Lys	Gly	Pro
				165					170					175	
Leu	Ala	Arg	Arg	His	Leu	Pro	Asp	Gly	Ser	Gln	Pro	Gly	Pro	Gln	Arg
			180					185					190		
Pro	Gln	Gly	Thr	Gly	Leu	Gln	Lys	Gly	Asp	Glu	Glu	Val			
		195					200					205			

<210> 229
 <211> 697
 <212> PRT
 <213> Homo sapiens

<400> 229

Met	Leu	Leu	Pro	Leu	Leu	Leu	Ser	Ser	Leu	Leu	Gly	Gly	Ser	Gln	Ala
1				5					10					15	
Met	Asp	Gly	Arg	Phe	Trp	Ile	Arg	Val	Gln	Glu	Ser	Val	Met	Val	Pro
			20					25					30		
Glu	Gly	Leu	Cys	Ile	Ser	Val	Pro	Cys	Ser	Phe	Ser	Tyr	Pro	Arg	Gln
		35					40					45			
Asp	Trp	Thr	Gly	Ser	Thr	Pro	Ala	Tyr	Gly	Tyr	Trp	Phe	Lys	Ala	Val
	50					55					60				
Thr	Glu	Thr	Thr	Lys	Gly	Ala	Pro	Val	Ala	Thr	Asn	His	Gln	Ser	Arg
	65				70					75					80
Glu	Val	Glu	Met	Ser	Thr	Arg	Gly	Arg	Phe	Gln	Leu	Thr	Gly	Asp	Pro
				85					90					95	
Ala	Lys	Gly	Asn	Cys	Ser	Leu	Val	Ile	Arg	Asp	Ala	Gln	Met	Gln	Asp
			100					105					110		
Glu	Ser	Gln	Tyr	Phe	Phe	Arg	Val	Glu	Arg	Gly	Ser	Tyr	Val	Arg	Tyr
		115					120					125			
Asn	Phe	Met	Asn	Asp	Gly	Phe	Phe	Leu	Lys	Val	Thr	Ala	Leu	Thr	Gln
		130				135					140				
Lys	Pro	Asp	Val	Tyr	Ile	Pro	Glu	Thr	Leu	Glu	Pro	Gly	Gln	Pro	Val
145					150					155					160
Thr	Val	Ile	Cys	Val	Phe	Asn	Trp	Ala	Phe	Glu	Glu	Cys	Pro	Pro	Pro
			165						170					175	
Ser	Phe	Ser	Trp	Thr	Gly	Ala	Ala	Leu	Ser	Ser	Gln	Gly	Thr	Lys	Pro
			180					185					190		

Thr	Thr	Ser	His	Phe	Ser	Val	Leu	Ser	Phe	Thr	Pro	Arg	Pro	Gln	Asp	195	200	205
His	Asn	Thr	Asp	Leu	Thr	Cys	His	Val	Asp	Phe	Ser	Arg	Lys	Gly	Val	210	215	220
Ser	Ala	Gln	Arg	Thr	Val	Arg	Leu	Arg	Val	Ala	Tyr	Ala	Pro	Arg	Asp	225	230	235
Leu	Val	Ile	Ser	Ile	Ser	Arg	Asp	Asn	Thr	Pro	Ala	Leu	Glu	Pro	Gln	245	250	255
Pro	Gln	Gly	Asn	Val	Pro	Tyr	Leu	Glu	Ala	Gln	Lys	Gly	Gln	Phe	Leu	260	265	270
Arg	Leu	Leu	Cys	Ala	Ala	Asp	Ser	Gln	Pro	Pro	Ala	Thr	Leu	Ser	Trp	275	280	285
Val	Leu	Gln	Asn	Arg	Val	Leu	Ser	Ser	Ser	His	Pro	Trp	Gly	Pro	Arg	290	295	300
Pro	Leu	Gly	Leu	Glu	Leu	Pro	Gly	Val	Lys	Ala	Gly	Asp	Ser	Gly	Arg	305	310	315
Tyr	Thr	Cys	Arg	Ala	Glu	Asn	Arg	Leu	Gly	Ser	Gln	Gln	Arg	Ala	Leu	325	330	335
Asp	Leu	Ser	Val	Gln	Tyr	Pro	Pro	Glu	Asn	Leu	Arg	Val	Met	Val	Ser	340	345	350
Gln	Ala	Asn	Arg	Thr	Val	Leu	Glu	Asn	Leu	Gly	Asn	Gly	Thr	Ser	Leu	355	360	365
Pro	Val	Leu	Glu	Gly	Gln	Ser	Leu	Cys	Leu	Val	Cys	Val	Thr	His	Ser	370	375	380
Ser	Pro	Pro	Ala	Arg	Leu	Ser	Trp	Thr	Gln	Arg	Gly	Gln	Val	Leu	Ser	385	390	395
Pro	Ser	Gln	Pro	Ser	Asp	Pro	Gly	Val	Leu	Glu	Leu	Pro	Arg	Val	Gln	405	410	415
Val	Glu	His	Glu	Gly	Glu	Phe	Thr	Cys	His	Ala	Arg	His	Pro	Leu	Gly	420	425	430
Ser	Gln	His	Val	Ser	Leu	Ser	Leu	Ser	Val	His	Tyr	Ser	Pro	Lys	Leu	435	440	445
Leu	Gly	Pro	Ser	Cys	Ser	Trp	Glu	Ala	Glu	Gly	Leu	His	Cys	Ser	Cys	450	455	460
Ser	Ser	Gln	Ala	Ser	Pro	Ala	Pro	Ser	Leu	Arg	Trp	Trp	Leu	Gly	Glu	465	470	475
Glu	Leu	Leu	Glu	Gly	Asn	Ser	Ser	Gln	Asp	Ser	Phe	Glu	Val	Thr	Pro	485	490	495

Ser Ser Ala Gly Pro Trp Ala Asn Ser Ser Leu Ser Leu His Gly Gly
 500 505 510
 Leu Ser Ser Gly Leu Arg Leu Arg Cys Glu Ala Trp Asn Val His Gly
 515 520 525
 Ala Gln Ser Gly Ser Ile Leu Gln Leu Pro Asp Lys Lys Gly Leu Ile
 530 535 540
 Ser Thr Ala Phe Ser Asn Gly Ala Phe Leu Gly Ile Gly Ile Thr Ala
 545 550 555 560
 Leu Leu Phe Leu Cys Leu Ala Leu Ile Ile Met Lys Ile Leu Pro Lys
 565 570 575
 Arg Arg Thr Gln Thr Glu Thr Pro Arg Pro Arg Phe Ser Arg His Ser
 580 585 590
 Thr Ile Leu Asp Tyr Ile Asn Val Val Pro Thr Ala Gly Pro Leu Ala
 595 600 605
 Gln Lys Arg Asn Gln Lys Ala Thr Pro Asn Ser Pro Arg Thr Pro Leu
 610 615 620
 Pro Pro Gly Ala Pro Ser Pro Glu Ser Lys Lys Asn Gln Lys Lys Gln
 625 630 635 640
 Tyr Gln Leu Pro Ser Phe Pro Glu Pro Lys Ser Ser Thr Gln Ala Pro
 645 650 655
 Glu Ser Gln Glu Ser Gln Glu Glu Leu His Tyr Ala Thr Leu Asn Phe
 660 665 670
 Pro Gly Val Arg Pro Arg Pro Glu Ala Arg Met Pro Lys Gly Thr Gln
 675 680 685
 Ala Asp Tyr Ala Glu Val Lys Phe Gln
 690 695

<210> 230
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 230
 Met Thr Met Arg Ser Leu Leu Arg Thr Pro Phe Leu Cys Gly Leu Leu
 1 5 10 15
 Trp Ala Phe Cys Ala Pro Gly Ala Arg Ala Glu Glu Pro Ala Ala Ser
 20 25 30
 Phe Ser Gln Pro Gly Ser Met Gly Leu Asp Lys Asn Thr Val His Asp
 35 40 45
 Gln Glu His Ile Met Glu His Leu Glu Gly Val Ile Asn Lys Pro Glu

50					55					60					
Ala	Glu	Met	Ser	Pro	Gln	Glu	Leu	Gln	Leu	His	Tyr	Phe	Lys	Met	His
65					70					75					80
Asp	Tyr	Asp	Gly	Asn	Asn	Leu	Leu	Asp	Gly	Leu	Glu	Leu	Ser	Thr	Ala
				85					90					95	
Ile	Thr	His	Val	His	Lys	Glu	Glu	Gly	Ser	Glu	Gln	Ala	Pro	Leu	Met
			100					105					110		
Ser	Glu	Asp	Glu	Leu	Ile	Asn	Ile	Ile	Asp	Gly	Val	Leu	Arg	Asp	Asp
		115					120						125		
Asp	Lys	Asn	Asn	Asp	Gly	Tyr	Ile	Asp	Tyr	Ala	Glu	Phe	Ala	Lys	Ser
	130					135					140				
Leu	Gln														
145															

<210> 231
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 231															
Met	Ala	Ser	Pro	Ala	Ser	Val	Val	Pro	Ala	Val	Gly	Phe	Leu	Arg	Leu
1				5					10					15	
His	Ser	Met	Leu	Leu	Ile	Ala	Cys	Pro	Pro	His	Ala	Ser	Leu	Gly	Leu
			20					25					30		
Pro	Leu	His	Val	Arg	Gln	Gln	Pro	Val	Glu	Leu	Arg	His	Leu	Pro	Phe
		35					40					45			
Pro	Cys	Cys	Ser	Ser	Leu	Ser	Pro	Leu	Ser	Ser	Trp	Ala	Tyr	Arg	Val
	50					55					60				
Leu	Pro	Phe	Cys	Pro	Cys	Trp	Ser	Thr	Val	Ala	Gln	Ser	Arg	Leu	Thr
65				70					75					80	
Ala	Ala	Ser	Thr	Ser	Gln	Thr	Gln	Val	Val	Leu	Pro	Pro	Gln	Pro	His
				85				90					95		
Pro	Arg	Pro	Pro	Gln	Pro	Pro	Lys	Val	Leu	Ala	Leu	Gln	Thr		
			100				105						110		

<210> 232
 <211> 168
 <212> PRT
 <213> Homo sapiens
 <400> 232

Met Glu Asp Gly Asp Lys Arg Cys Lys Leu Leu Leu Gly Ile Gly Ile
 1 5 10 15
 Leu Val Leu Leu Ile Ile Val Ile Leu Gly Val Pro Leu Ile Ile Phe
 20 25 30
 Thr Ile Lys Ala Asn Ser Glu Ala Cys Arg Asp Gly Leu Arg Ala Val
 35 40 45
 Met Glu Cys Arg Asn Val Thr His Leu Leu Gln Gln Glu Leu Thr Glu
 50 55 60
 Ala Gln Lys Gly Phe Gln Asp Val Glu Ala Gln Ala Ala Thr Cys Asn
 65 70 75 80
 His Thr Val Met Ala Leu Met Ala Ser Leu Asp Ala Glu Lys Ala Gln
 85 90 95
 Gly Gln Lys Lys Val Glu Glu Leu Glu Gly Glu Ile Thr Thr Leu Asn
 100 105 110
 His Lys Leu Gln Asp Ala Ser Ala Glu Val Glu Arg Leu Arg Arg Glu
 115 120 125
 Asn Gln Val Leu Ser Val Arg Ile Ala Asp Lys Lys Tyr Tyr Pro Ser
 130 135 140
 Ser Gln Asp Ser Ser Ser Ala Ala Ala Pro Gln Leu Leu Ile Val Leu
 145 150 155 160
 Leu Gly Leu Ser Ala Leu Leu Gln
 165

<210> 233
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 233
 Met Ala Gly Val Gly Ala Gly Pro Leu Arg Ala Met Gly Arg Gln Ala
 1 5 10 15
 Leu Leu Leu Leu Ala Leu Cys Ala Thr Gly Ala Gln Gly Leu Tyr Phe
 20 25 30
 His Ile Gly Glu Thr Glu Lys Arg Cys Phe Ile Glu Glu Ile Pro Asp
 35 40 45
 Glu Thr Met Val Ile Gly Asn Tyr Arg Thr Gln Met Trp Asp Lys Gln
 50 55 60
 Lys Glu Val Phe Leu Pro Ser Thr Pro Gly Leu Gly Met His Val Glu
 65 70 75 80
 Val Lys Asp Pro Asp Gly Lys Val Val Leu Ser Arg Gln Tyr Gly Ser

<210> 235
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 235
 Met Ala Arg Leu Gln Thr Ala Leu Leu Val Val Leu Val Leu Leu Ala
 1 5 10 15
 Val Ala Leu Gln Ala Thr Glu Ala Gly Pro Tyr Gly Ala Asn Met Glu
 20 25 30
 Asp Ser Val Cys Cys Arg Asp Tyr Val Arg Tyr Arg Leu Pro Leu Arg
 35 40 45
 Val Val Lys His Phe Tyr Trp Thr Ser Asp Ser Cys Pro Arg Pro Gly
 50 55 60
 Val Val Leu Leu Thr Phe Arg Asp Lys Glu Ile Cys Ala Asp Pro Arg
 65 70 75 80
 Val Pro Trp Val Lys Met Ile Leu Asn Lys Leu Ser Gln
 85 90

<210> 236
 <211> 491
 <212> PRT
 <213> Homo sapiens

<400> 236
 Met Asp Pro Phe Val Val Leu Val Leu Cys Leu Ser Phe Leu Leu Leu
 1 5 10 15
 Leu Ser Leu Trp Arg Gln Arg Ser Ala Arg Gly Asn Leu Pro Pro Gly
 20 25 30
 Pro Thr Pro Leu Pro Ile Ile Gly Asn Tyr His Leu Ile Asp Met Lys
 35 40 45
 Asp Ile Gly Gln Cys Leu Thr Asn Phe Ser Lys Ile Tyr Gly Pro Val
 50 55 60
 Phe Thr Leu Tyr Phe Gly Ser Gln Pro Ile Val Ile Leu His Gly Tyr
 65 70 75 80
 Glu Ala Met Lys Glu Ala Phe Ile Asp Tyr Gly Glu Glu Phe Ser Gly
 85 90 95
 Arg Gly Arg Ile Pro Val Phe Asp Lys Val Ser Lys Gly Lys Gly Ile
 100 105 110
 Gly Phe Ser His Gly Asn Val Trp Lys Ala Thr Arg Val Phe Thr Val

115					120					125					
Asn	Thr	Leu	Arg	Asn	Leu	Gly	Met	Gly	Lys	Arg	Thr	Ile	Glu	Thr	Lys
130					135					140					
Val	Gln	Glu	Glu	Ala	Gln	Trp	Leu	Met	Lys	Glu	Leu	Lys	Lys	Thr	Asn
145					150					155					160
Gly	Ser	Pro	Cys	Asp	Pro	Gln	Phe	Ile	Ile	Gly	Cys	Ala	Pro	Cys	Asn
				165					170					175	
Val	Ile	Cys	Ser	Ile	Val	Phe	Gln	Asn	Arg	Phe	Asp	Tyr	Lys	Asp	Lys
			180					185					190		
Asp	Phe	Leu	Ser	Leu	Ile	Gly	Lys	Val	Asn	Glu	Cys	Thr	Glu	Ile	Leu
		195					200					205			
Ser	Ser	Pro	Glu	Cys	Gln	Ile	Phe	Asn	Ala	Val	Pro	Ile	Leu	Ile	Asp
		210				215					220				
Tyr	Cys	Pro	Gly	Ser	His	Asn	Lys	Phe	Leu	Lys	Asn	His	Thr	Trp	Ile
225					230					235					240
Lys	Ser	Tyr	Leu	Leu	Glu	Lys	Ile	Lys	Glu	His	Glu	Glu	Ser	Leu	Asp
				245					250					255	
Val	Thr	Asn	Pro	Arg	Asp	Phe	Val	Asp	Tyr	Phe	Leu	Ile	Gln	Arg	Cys
			260					265					270		
Gln	Lys	Asn	Gly	Ile	Glu	His	Met	Asp	Tyr	Thr	Ile	Glu	His	Leu	Ala
		275					280					285			
Thr	Leu	Val	Thr	Asp	Leu	Val	Phe	Gly	Gly	Thr	Glu	Pro	Leu	Ser	Ser
		290				295					300				
Thr	Met	Arg	Phe	Ala	Leu	Leu	Leu	Leu	Met	Lys	His	Thr	His	Ile	Thr
305					310					315					320
Ala	Lys	Val	Gln	Glu	Glu	Ile	Asp	Asn	Val	Ile	Gly	Arg	His	Arg	Ser
				325					330					335	
Pro	Cys	Met	Gln	Asp	Arg	Asn	His	Met	Pro	Tyr	Thr	Asn	Ala	Met	Val
			340					345					350		
His	Glu	Val	Gln	Arg	Tyr	Ile	Asp	Leu	Gly	Pro	Asn	Gly	Val	Val	His
		355					360					365			
Glu	Val	Thr	Cys	Asp	Thr	Lys	Phe	Arg	Asn	Tyr	Phe	Ile	Pro	Lys	Gly
		370				375					380				
Thr	Gln	Val	Met	Thr	Ser	Leu	Thr	Ser	Val	Leu	His	Asp	Ser	Thr	Glu
385					390					395					400
Phe	Pro	Asn	Pro	Glu	Val	Phe	Asp	Pro	Gly	His	Phe	Leu	Asp	Asp	Asn
				405					410					415	
Gly	Asn	Phe	Lys	Lys	Ser	Asp	Tyr	Phe	Val	Pro	Phe	Ser	Ala	Gly	Lys

420	425	430
Arg Ile Cys Val Gly Glu Ser Leu Ala Arg Met Glu Leu Phe Leu Phe		
435	440	445
Leu Thr Thr Ile Leu Gln Asn Phe Lys Leu Lys Pro Leu Val Asp Pro		
450	455	460
Lys Asp Ile Asp Met Thr Pro Lys His Ser Gly Phe Ser Lys Ile Pro		
465	470	475
Pro Asn Phe Gln Met Cys Phe Ile Pro Val Glu		
485	490	

<210> 237
 <211> 114
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 237
 Met Pro Val Gly Leu Glu Ala Met Leu Gly Ile Glu Ser Gly Trp Leu
 1 5 10 15
 Ser Leu Leu Pro Glu Leu Leu Phe Val Leu Ser Leu Xaa Xaa Cys Arg
 20 25 30
 Asp Ser Ala Ser Ser Ala Gly Cys His Leu Leu Phe Phe Phe Ser Ser
 35 40 45
 Glu Met Gly Ser Arg Tyr Val Val Gln Gly Gly Leu Lys Leu Leu Thr
 50 55 60
 Ser His Leu Gly Leu Pro Gly Cys Trp Asp Cys Arg His Glu Pro Pro
 65 70 75 80
 Tyr Leu Ala Ser Val Ser Leu Leu Ile Xaa Glu Leu Trp Leu Gly Ala
 85 90 95
 Ala Ala Arg Val Cys Cys Pro Ser Ala Leu Gly Gly Gln Gly Gly Arg
 100 105 110

Ile Thr

<210> 238
<211> 88
<212> PRT
<213> Homo sapiens

<400> 238
Met Val Phe Phe Leu Leu Leu Leu Phe Leu Arg Glu Gly Leu Ala Leu
1 5 10 15
Ser Pro Arg Leu Glu Cys Ser Ser Thr Ile Ile Ala His Tyr Ser Leu
20 25 30
Lys Phe Leu Asp Ser Ser Ala Pro Pro Ile Ser Ala Ser Pro Val Ala
35 40 45
Gly Thr Thr Ala Cys Thr Thr Ile Pro Gly Tyr Leu Phe Tyr Phe Phe
50 55 60
Val Glu Met Arg Ser Pro Cys Val Ala Gln Ala Gly Leu Lys His Leu
65 70 75 80
Asp Ser Arg Asp Pro Pro Ala Ser
85

<210> 239
<211> 498
<212> PRT
<213> Homo sapiens

<400> 239
Met Met Gly Ser Pro Val Ser His Leu Leu Ala Gly Phe Cys Val Trp
1 5 10 15
Val Val Leu Gly Trp Val Gly Gly Ser Val Pro Asn Leu Gly Pro Ala
20 25 30
Glu Gln Glu Gln Asn His Tyr Leu Ala Gln Leu Phe Gly Leu Tyr Gly
35 40 45
Glu Asn Gly Thr Leu Thr Ala Gly Gly Leu Ala Arg Leu Leu His Ser
50 55 60
Leu Gly Leu Gly Arg Val Gln Gly Leu Arg Leu Gly Gln His Gly Pro
65 70 75 80
Leu Thr Gly Arg Ala Ala Ser Pro Ala Ala Asp Asn Ser Thr His Arg
85 90 95
Pro Gln Asn Pro Glu Leu Ser Val Asp Val Trp Ala Gly Met Pro Leu

100					105					110					
Gly	Pro	Ser	Gly	Trp	Gly	Asp	Leu	Glu	Glu	Ser	Lys	Ala	Pro	His	Leu
		115					120					125			
Pro	Arg	Gly	Pro	Ala	Pro	Ser	Gly	Leu	Asp	Leu	Leu	His	Arg	Leu	Leu
		130					135					140			
Leu	Leu	Asp	His	Ser	Leu	Ala	Asp	His	Leu	Asn	Glu	Asp	Cys	Leu	Asn
145					150					155					160
Gly	Ser	Gln	Leu	Leu	Val	Asn	Phe	Gly	Leu	Ser	Pro	Ala	Ala	Pro	Leu
				165					170					175	
Thr	Pro	Arg	Gln	Phe	Ala	Leu	Leu	Cys	Pro	Ala	Leu	Leu	Tyr	Gln	Ile
			180					185					190		
Asp	Ser	Arg	Val	Cys	Ile	Gly	Ala	Pro	Ala	Pro	Ala	Pro	Pro	Gly	Asp
			195				200					205			
Leu	Leu	Ser	Ala	Leu	Leu	Gln	Ser	Ala	Leu	Ala	Val	Leu	Leu	Leu	Ser
		210					215					220			
Leu	Pro	Ser	Pro	Leu	Ser	Leu	Leu	Leu	Leu	Arg	Leu	Leu	Gly	Pro	Arg
225					230					235					240
Leu	Leu	Arg	Pro	Leu	Leu	Gly	Phe	Leu	Gly	Ala	Leu	Ala	Val	Gly	Thr
				245					250					255	
Leu	Cys	Gly	Asp	Ala	Leu	Leu	His	Leu	Leu	Pro	His	Ala	Gln	Glu	Gly
			260					265					270		
Arg	His	Ala	Gly	Pro	Gly	Gly	Leu	Pro	Glu	Lys	Asp	Leu	Gly	Pro	Gly
			275				280					285			
Leu	Ser	Val	Leu	Gly	Gly	Leu	Phe	Leu	Leu	Phe	Val	Leu	Glu	Asn	Met
			290				295					300			
Leu	Gly	Leu	Leu	Arg	His	Arg	Gly	Leu	Arg	Pro	Arg	Cys	Cys	Arg	Arg
305					310					315					320
Lys	Arg	Arg	Asn	Leu	Glu	Thr	Arg	Asn	Leu	Asp	Pro	Glu	Asn	Gly	Ser
				325					330					335	
Gly	Met	Ala	Leu	Gln	Pro	Leu	Gln	Ala	Ala	Pro	Glu	Pro	Gly	Ala	Gln
			340					345					350		
Gly	Gln	Arg	Glu	Lys	Asn	Ser	Gln	His	Pro	Pro	Ala	Leu	Ala	Pro	Pro
			355				360					365			
Gly	His	Gln	Gly	His	Ser	His	Gly	His	Gln	Gly	Gly	Thr	Asp	Ile	Thr
			370				375					380			
Trp	Met	Val	Leu	Leu	Gly	Asp	Gly	Leu	His	Asn	Leu	Thr	Asp	Gly	Leu
385					390					395					400
Ala	Ile	Gly	Ala	Ala	Phe	Ser	Asp	Gly	Phe	Ser	Ser	Gly	Leu	Ser	Thr

405					410					415					
Thr	Leu	Ala	Val	Phe	Cys	His	Glu	Leu	Pro	His	Glu	Leu	Gly	Asp	Phe
			420					425					430		
Ala	Met	Leu	Leu	Gln	Ser	Gly	Leu	Ser	Phe	Arg	Arg	Leu	Leu	Leu	Leu
		435					440					445			
Ser	Leu	Val	Ser	Gly	Ala	Leu	Gly	Leu	Gly	Gly	Ala	Val	Leu	Gly	Val
		450					455					460			
Gly	Leu	Ser	Leu	Gly	Pro	Val	Pro	Leu	Thr	Pro	Trp	Val	Phe	Gly	Val
465						470					475				480
Thr	Ala	Gly	Val	Phe	Leu	Tyr	Val	Ala	Leu	Val	Asp	Met	Val	Arg	Asp
				485					490					495	
Val Gly															

<210> 240
 <211> 205
 <212> PRT
 <213> Homo sapiens

<400> 240

Met	Cys	Asp	Gly	Ser	His	Leu	Ala	Ser	Thr	Leu	Arg	Tyr	Cys	Met	Thr
1				5					10					15	
Val	Ser	Gly	Thr	Val	Val	Leu	Val	Ala	Gly	Thr	Leu	Cys	Phe	Ala	Trp
			20					25					30		
Trp	Ser	Glu	Gly	Asp	Ala	Thr	Ala	Gln	Pro	Gly	Gln	Leu	Ala	Pro	Pro
		35					40					45			
Thr	Glu	Tyr	Pro	Val	Pro	Glu	Gly	Pro	Ser	Pro	Leu	Leu	Arg	Ser	Val
	50					55					60				
Ser	Phe	Val	Cys	Cys	Gly	Ala	Gly	Gly	Leu	Leu	Leu	Leu	Ile	Gly	Leu
65					70					75					80
Leu	Trp	Ser	Val	Lys	Ala	Ser	Ile	Pro	Gly	Pro	Pro	Arg	Trp	Asp	Pro
				85					90					95	
Tyr	His	Leu	Ser	Arg	Asp	Leu	Tyr	Tyr	Leu	Thr	Val	Glu	Ser	Ser	Glu
			100					105					110		
Lys	Glu	Ser	Cys	Arg	Thr	Pro	Lys	Val	Val	Asp	Ile	Pro	Thr	Tyr	Glu
		115					120					125			
Glu	Ala	Val	Ser	Phe	Pro	Val	Ala	Glu	Gly	Pro	Pro	Thr	Pro	Pro	Ala
	130					135					140				
Tyr	Pro	Thr	Glu	Glu	Ala	Leu	Glu	Pro	Ser	Gly	Ser	Arg	Asp	Ala	Leu
145					150					155					160

Leu Ser Thr Gln Pro Ala Trp Pro Pro Pro Ser Tyr Glu Ser Ile Ser
165 170 175

Leu Ala Leu Asp Ala Val Ser Ala Glu Thr Thr Pro Ser Ala Thr Arg
180 185 190

Ser Cys Ser Gly Leu Val Gln Thr Ala Arg Gly Gly Ser
195 200 205

<210> 241
<211> 197
<212> PRT
<213> Homo sapiens

<400> 241
Leu Thr Gly Arg Gly His Ala Arg Ala Ser Val Arg Phe Pro Ser Leu
1 5 10 15

Ser Leu Pro Ile Leu Thr Thr Glu Ala Thr Thr Lys His Ser Ser Ser
20 25 30

Ser Asp Ser Thr Leu Ser Ala Ser Gln Pro Leu Pro Asp Leu Ser Phe
35 40 45

Pro Leu Leu Pro Ser Leu Leu Gln Gly Cys Pro Arg Gln Gly Phe Gln
50 55 60

Pro Gly Leu Gly Val Ile Phe Ser Pro Gly Ala Asn Pro Ser Leu Ser
65 70 75 80

Cys Tyr Lys Lys Ile Pro Trp Lys Tyr Trp Gly Pro Gly Ser Pro Asp
85 90 95

Ser Arg Asn Cys Pro Cys Ser Glu Gln Pro Glu Phe Ala Gly Pro Gln
100 105 110

Gly Arg Arg Glu Glu Thr Cys Ser Glu Leu Phe Leu Cys Gln Glu Thr
115 120 125

Leu Asp Leu Gly Pro Ser Ile Ser Gln Ala Lys His Pro Leu Val Cys
130 135 140

Val Trp Glu Gly Met Ala Lys Ala Ala Arg Val Leu Thr Pro Gln Asp
145 150 155 160

His Ser Pro Ala Leu Ser Ser Gly Gly Thr Ala Leu Gln Gly Val Leu
165 170 175

Ala Val Gly Pro Ala Gln Leu Gln Ala Glu Gln Gly Gly Pro Glu Ile
180 185 190

Thr Asp Pro Leu Leu
195

<210> 242
 <211> 167
 <212> PRT
 <213> Homo sapiens

<400> 242
 Met Leu Thr Val Ala Leu Leu Ala Leu Leu Cys Ala Ser Ala Ser Gly
 1 5 10 15
 Asn Ala Ile Gln Ala Arg Ser Ser Ser Tyr Ser Gly Glu Tyr Gly Ser
 20 25 30
 Gly Gly Gly Lys Arg Phe Ser His Ser Gly Asn Gln Leu Asp Gly Pro
 35 40 45
 Ile Thr Ala Leu Arg Val Arg Val Asn Thr Tyr Tyr Ile Val Gly Leu
 50 55 60
 Gln Val Arg Tyr Gly Lys Val Trp Ser Asp Tyr Val Gly Gly Arg Asn
 65 70 75 80
 Gly Asp Leu Glu Glu Ile Phe Leu His Pro Gly Glu Ser Val Ile Gln
 85 90 95
 Val Ser Gly Lys Tyr Lys Trp Tyr Leu Lys Lys Leu Val Phe Val Thr
 100 105 110
 Asp Lys Gly Arg Tyr Leu Ser Phe Gly Lys Asp Ser Gly Thr Ser Phe
 115 120 125
 Asn Ala Val Pro Leu His Pro Asn Thr Val Leu Arg Phe Ile Ser Gly
 130 135 140
 Arg Ser Gly Ser Leu Ile Asp Ala Ile Gly Leu His Trp Asp Val Tyr
 145 150 155 160
 Pro Thr Ser Cys Ser Arg Cys
 165

<210> 243
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 243
 Met Val Met Met Gly Val Arg Met Met Leu Lys Val Met Lys Ile Pro
 1 5 10 15
 Leu Leu Leu Thr Glu Ala Leu Pro Ala Phe Thr Val Ala Cys Trp Lys
 20 25 30
 Val Ala Ser Gly Ala Tyr Thr Ile Ala Val Ser Gly Ser Gly Val Thr
 35 40 45

Cys Ser Arg Lys Gly Lys Val Arg Arg Lys Glu Phe Ser Ser Leu Gln
 50 55 60

Glu Thr Gly Val Gly Thr Ser Tyr Leu Thr Gly Arg His Tyr Ser Trp
 65 70 75 80

Met Ser Ile Cys Thr Leu Asp Ser
 85

<210> 244
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 244
 Phe Phe Phe Phe Phe Ser Arg Ser Ala Gln Ser Leu Leu Ala Ile Ser
 1 5 10 15

Ala Gln Lys Ser Pro Phe Leu Asn Arg Thr Val Pro Leu Thr
 20 25 30

<210> 245
 <211> 533
 <212> PRT
 <213> Homo sapiens

<400> 245
 Met Lys Leu Trp Val Ser Ala Leu Leu Met Ala Trp Phe Gly Val Leu
 1 5 10 15

Ser Cys Val Gln Ala Glu Phe Phe Thr Ser Ile Gly His Met Thr Asp
 20 25 30

Leu Ile Tyr Ala Glu Lys Glu Leu Val Gln Ser Leu Lys Glu Tyr Ile
 35 40 45

Leu Val Glu Glu Ala Lys Leu Ser Lys Ile Lys Ser Trp Ala Asn Lys
 50 55 60

Met Glu Ala Leu Thr Ser Lys Ser Ala Ala Asp Ala Glu Gly Tyr Leu
 65 70 75 80

Ala His Pro Val Asn Ala Tyr Lys Leu Val Lys Arg Leu Asn Thr Asp
 85 90 95

Trp Pro Ala Leu Glu Asp Leu Val Leu Gln Asp Ser Ala Ala Gly Phe
 100 105 110

Ile Ala Asn Leu Ser Val Gln Arg Gln Phe Phe Pro Thr Asp Glu Asp
 115 120 125

Glu Ile Gly Ala Ala Lys Ala Leu Met Arg Leu Gln Asp Thr Tyr Arg

130					135					140					
Leu	Asp	Pro	Gly	Thr	Ile	Ser	Arg	Gly	Glu	Leu	Pro	Gly	Thr	Lys	Tyr
145					150					155					160
Gln	Ala	Met	Leu	Ser	Val	Asp	Asp	Cys	Phe	Gly	Met	Gly	Arg	Ser	Ala
				165					170					175	
Tyr	Asn	Glu	Gly	Asp	Tyr	Tyr	His	Thr	Val	Leu	Trp	Met	Glu	Gln	Val
			180					185					190		
Leu	Lys	Gln	Leu	Asp	Ala	Gly	Glu	Glu	Ala	Thr	Thr	Thr	Lys	Ser	Gln
		195					200					205			
Val	Leu	Asp	Tyr	Leu	Ser	Tyr	Ala	Val	Phe	Gln	Leu	Gly	Asp	Leu	His
	210					215					220				
Arg	Ala	Leu	Glu	Leu	Thr	Arg	Arg	Leu	Leu	Ser	Leu	Asp	Pro	Ser	His
225					230					235					240
Glu	Arg	Ala	Gly	Gly	Asn	Leu	Arg	Tyr	Phe	Glu	Gln	Leu	Leu	Glu	Glu
				245					250					255	
Glu	Arg	Glu	Lys	Thr	Leu	Thr	Asn	Gln	Thr	Glu	Ala	Glu	Leu	Ala	Thr
			260					265					270		
Pro	Glu	Gly	Ile	Tyr	Glu	Arg	Pro	Val	Asp	Tyr	Leu	Pro	Glu	Arg	Asp
		275					280					285			
Val	Tyr	Glu	Ser	Leu	Cys	Arg	Gly	Glu	Gly	Val	Lys	Leu	Thr	Pro	Arg
	290					295					300				
Arg	Gln	Lys	Arg	Leu	Phe	Cys	Arg	Tyr	His	His	Gly	Asn	Arg	Ala	Pro
305					310					315					320
Gln	Leu	Leu	Ile	Ala	Pro	Phe	Lys	Glu	Glu	Asp	Glu	Trp	Asp	Ser	Pro
				325					330					335	
His	Ile	Val	Arg	Tyr	Tyr	Asp	Val	Met	Ser	Asp	Glu	Glu	Ile	Glu	Arg
			340					345					350		
Ile	Lys	Glu	Ile	Ala	Lys	Pro	Lys	Leu	Ala	Arg	Ala	Thr	Val	Arg	Asp
		355					360					365			
Pro	Lys	Thr	Gly	Val	Leu	Thr	Val	Ala	Ser	Tyr	Arg	Val	Ser	Lys	Ser
		370				375					380				
Ser	Trp	Leu	Glu	Glu	Asp	Asp	Asp	Pro	Val	Val	Ala	Arg	Val	Asn	Arg
385					390					395					400
Arg	Met	Gln	His	Ile	Thr	Gly	Leu	Thr	Val	Lys	Thr	Ala	Glu	Leu	Leu
				405					410					415	
Gln	Val	Ala	Asn	Tyr	Gly	Val	Gly	Gly	Gln	Tyr	Glu	Pro	His	Phe	Asp
			420					425					430		
Phe	Ser	Arg	Arg	Pro	Phe	Asp	Ser	Gly	Leu	Lys	Thr	Glu	Gly	Asn	Arg

435	440	445
Leu Ala Thr Phe Leu Asn Tyr Met Ser Asp Val Glu Ala Gly Gly Ala		
450	455	460
Thr Val Phe Pro Asp Leu Gly Ala Ala Ile Trp Pro Lys Lys Gly Thr		
465	470	475
Ala Val Phe Trp Tyr Asn Leu Leu Arg Ser Gly Glu Gly Asp Tyr Arg		
485	490	495
Thr Arg His Ala Ala Cys Pro Val Leu Val Gly Cys Lys Trp Val Ser		
500	505	510
Asn Lys Trp Phe His Glu Arg Gly Gln Glu Phe Leu Arg Pro Cys Gly		
515	520	525
Ser Thr Glu Val Asp		
530		

<210> 246
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 246

Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu		
1	5	10
Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys		
20	25	30
Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp		
35	40	45
Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala		
50	55	60
Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu		
65	70	75
Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro		
85	90	95
Gly Val Pro Gly Pro Met Gly Ile Pro Gly Glu Pro Gly Glu Gly		
100	105	110
Arg Tyr Lys Gln Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln Thr		
115	120	125
His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val Leu		
130	135	140
Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr Gly Lys Phe Thr Cys		
145	150	155
		160

Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His Ala Ser His Thr Ala
 165 170 175
 Asn Leu Cys Val Leu Leu Tyr Arg Ser Gly Val Lys Val Val Thr Phe
 180 185 190
 Cys Gly His Thr Ser Lys Thr Asn Gln Val Asn Ser Gly Gly Val Leu
 195 200 205
 Leu Arg Leu Gln Val Gly Glu Glu Val Trp Leu Ala Val Asn Asp Tyr
 210 215 220
 Tyr Asp Met Val Gly Ile Gln Gly Ser Asp Ser Val Phe Ser Gly Phe
 225 230 235 240
 Leu Leu Phe Pro Asp
 245

<210> 247
 <211> 307
 <212> PRT
 <213> Homo sapiens

<400> 247
 Met Arg Arg Gly Arg Ala Gly Pro Gly Arg Ala Gly Gly Ala Arg Ser
 1 5 10 15
 Ala Ser Trp Met Ser Arg Leu Arg Ala Leu Leu Gly Leu Gly Leu Leu
 20 25 30
 Val Ala Gly Ser Arg Leu Pro Arg Ile Lys Ser Gln Thr Ile Ala Cys
 35 40 45
 Arg Ser Gly Pro Thr Trp Trp Gly Pro Gln Arg Leu Asn Ser Gly Gly
 50 55 60
 Arg Trp Asp Ser Glu Val Met Ala Ser Thr Val Val Lys Tyr Leu Ser
 65 70 75 80
 Gln Glu Glu Ala Gln Ala Val Asp Gln Glu Leu Phe Asn Glu Tyr Gln
 85 90 95
 Phe Ser Val Asp Gln Leu Met Glu Leu Ala Gly Leu Ser Cys Ala Thr
 100 105 110
 Ala Ile Ala Lys Ala Tyr Pro Pro Thr Ser Met Ser Arg Ser Pro Pro
 115 120 125
 Thr Val Leu Val Ile Cys Gly Pro Gly Asn Asn Gly Gly Asp Gly Leu
 130 135 140
 Val Cys Ala Arg His Leu Lys Leu Phe Gly Tyr Glu Pro Thr Ile Tyr
 145 150 155 160

Tyr Pro Lys Arg Pro Asn Lys Pro Leu Phe Thr Ala Leu Val Thr Gln
 165 170 175
 Cys Gln Lys Met Asp Ile Pro Phe Leu Gly Glu Met Pro Ala Glu Pro
 180 185 190
 Met Thr Ile Asp Glu Leu Tyr Glu Leu Val Val Asp Ala Ile Phe Gly
 195 200 205
 Phe Ser Phe Lys Gly Asp Val Arg Glu Pro Phe His Ser Ile Leu Ser
 210 215 220
 Val Leu Lys Gly Leu Thr Val Pro Ile Ala Ser Ile Asp Ile Pro Ser
 225 230 235 240
 Gly Trp Asp Val Glu Lys Gly Asn Ala Gly Gly Ile Gln Pro Asp Leu
 245 250 255
 Leu Ile Ser Leu Thr Ala Pro Lys Lys Ser Ala Thr Gln Phe Thr Gly
 260 265 270
 Arg Tyr His Tyr Leu Gly Gly Arg Phe Val Pro Pro Ala Leu Glu Lys
 275 280 285
 Lys Tyr Gln Leu Asn Leu Pro Pro Tyr Pro Asp Thr Glu Cys Val Tyr
 290 295 300
 Arg Leu Gln
 305

<210> 248
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 248
 Gly Ser Phe Val Gly Gly Ile Val Leu Thr Leu Gly Val Leu Ser Ile
 1 5 10 15
 Leu Tyr Ile Gly Cys Lys Met Tyr Tyr Ser Arg Arg Gly Ile Arg Tyr
 20 25 30
 Arg Thr Ile Asp Glu His Asp Ala Ile Ile
 35 40

<210> 249
 <211> 227
 <212> PRT
 <213> Homo sapiens

<400> 249
 Met Trp Arg Val Pro Gly Thr Thr Arg Arg Pro Val Thr Gly Glu Ser
 1 5 10 15

Pro Gly Met His Arg Pro Glu Ala Met Leu Leu Leu Leu Thr Leu Ala
 20 25 30
 Leu Leu Gly Gly Pro Thr Trp Ala Gly Lys Met Tyr Gly Pro Gly Gly
 35 40 45
 Gly Lys Tyr Phe Ser Thr Thr Glu Asp Tyr Asp His Glu Ile Thr Gly
 50 55 60
 Leu Arg Val Ser Val Gly Leu Leu Leu Val Lys Ser Val Gln Val Lys
 65 70 75 80
 Leu Gly Asp Ser Trp Asp Val Lys Leu Gly Ala Leu Gly Gly Asn Thr
 85 90 95
 Gln Glu Val Thr Leu Gln Pro Gly Glu Tyr Ile Thr Lys Val Phe Val
 100 105 110
 Ala Phe Gln Ala Phe Leu Arg Gly Met Val Met Tyr Thr Ser Lys Asp
 115 120 125
 Arg Tyr Phe Tyr Phe Gly Lys Leu Asp Gly Gln Ile Ser Ser Ala Tyr
 130 135 140
 Pro Ser Gln Glu Gly Gln Val Leu Val Gly Ile Tyr Gly Gln Tyr Gln
 145 150 155 160
 Leu Leu Gly Ile Lys Ser Ile Gly Phe Glu Trp Asn Tyr Pro Leu Glu
 165 170 175
 Glu Pro Thr Thr Glu Pro Pro Ile Asn Lys Ala Ser Ala Glu Lys Lys
 180 185 190
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 195 200 205
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 210 215 220
 Lys Lys Lys
 225

<210> 250
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 250
 Met Lys Ile Pro Val Leu Pro Ala Val Val Leu Leu Ser Leu Leu Val
 1 5 10 15
 Leu His Ser Ala Gln Gly Ala Thr Leu Gly Gly Pro Glu Glu Glu Ser
 20 25 30

Thr Ile Glu Asn Tyr Ala Ser Arg Pro Glu Ala Phe Lys Ala Asp Glu
35 40 45

Phe Leu Asn Trp His Ala Leu Phe Glu Ser Ile Lys Arg Lys Leu Pro
50 55 60

Phe Leu Asn Trp Asp Ala Phe Pro Lys Leu Lys Gly Leu Arg Ser Ala
65 70 75 80

Thr Pro Asp Ala Gln
85

<210> 251
<211> 334
<212> PRT
<213> Homo sapiens

<400> 251
Met Asn Leu Leu Leu Leu Leu Ala Val Leu Cys Leu Gly Thr Ala Leu
1 5 10 15

Ala Thr Pro Lys Phe Asp Gln Thr Phe Ser Ala Glu Trp His Gln Trp
20 25 30

Lys Ser Thr His Arg Arg Leu Tyr Gly Thr Asn Glu Glu Glu Trp Arg
35 40 45

Arg Ala Ile Trp Glu Lys Asn Met Arg Met Ile Gln Leu His Asn Gly
50 55 60

Glu Tyr Ser Asn Gly Gln His Gly Phe Ser Met Glu Met Asn Ala Phe
65 70 75 80

Gly Asp Met Thr Asn Glu Glu Phe Arg Gln Val Val Asn Gly Tyr Arg
85 90 95

His Gln Lys His Lys Lys Gly Arg Leu Phe Gln Glu Pro Leu Met Leu
100 105 110

Lys Ile Pro Lys Ser Val Asp Trp Arg Glu Lys Gly Cys Val Thr Pro
115 120 125

Val Lys Asn Gln Gly Gln Cys Gly Ser Cys Trp Ala Phe Ser Ala Ser
130 135 140

Gly Cys Leu Glu Gly Gln Met Phe Leu Lys Thr Gly Lys Leu Ile Ser
145 150 155 160

Leu Ser Glu Gln Asn Leu Val Asp Cys Ser His Ala Gln Gly Asn Gln
165 170 175

Gly Cys Asn Gly Gly Leu Met Asp Phe Ala Phe Gln Tyr Ile Lys Glu
180 185 190

Asn Gly Gly Leu Asp Ser Glu Glu Ser Tyr Pro Tyr Glu Ala Lys Asp

195					200					205					
Gly	Ser	Cys	Lys	Tyr	Arg	Ala	Glu	Phe	Ala	Val	Ala	Asn	Asp	Thr	Gly
210					215					220					
Phe	Val	Asp	Ile	Pro	Gln	Gln	Glu	Lys	Ala	Leu	Met	Lys	Ala	Val	Ala
225					230					235					240
Thr	Val	Gly	Pro	Ile	Ser	Val	Ala	Met	Asp	Ala	Ser	His	Pro	Ser	Leu
				245					250					255	
Gln	Phe	Tyr	Ser	Ser	Gly	Ile	Tyr	Tyr	Glu	Pro	Asn	Cys	Ser	Ser	Lys
			260					265						270	
Asn	Leu	Asp	His	Gly	Val	Leu	Leu	Val	Gly	Tyr	Gly	Tyr	Glu	Gly	Thr
		275					280						285		
Asp	Ser	Asn	Lys	Asn	Lys	Tyr	Trp	Leu	Val	Lys	Asn	Ser	Trp	Gly	Ser
	290					295					300				
Glu	Trp	Gly	Met	Glu	Gly	Tyr	Ile	Lys	Ile	Ala	Lys	Asp	Arg	Asp	Asn
305					310					315					320
His	Cys	Gly	Leu	Ala	Thr	Ala	Ala	Ser	Tyr	Pro	Val	Val	Asn		
			325					330							

<210> 252
 <211> 96
 <212> PRT
 <213> Homo sapiens

<400> 252
 Met Ile Val Gly Ser Pro Arg Ala Leu Thr Gln Pro Leu Gly Leu Leu
 1 5 10 15
 Arg Leu Leu Gln Leu Val Ser Thr Cys Val Ala Phe Ser Leu Val Ala
 20 25 30
 Ser Val Gly Ala Gly Arg Gly His Gly His Trp Ser Met Phe Thr Trp
 35 40 45
 Cys Phe Cys Phe Ser Val Thr Leu Ile Ile Leu Ile Val Glu Leu Cys
 50 55 60
 Gly Leu Gln Ala Arg Phe Pro Leu Ser Trp Arg Asn Phe Pro Ile Thr
 65 70 75 80
 Phe Ala Cys Tyr Ala Ala Leu Phe Cys Leu Ser Ala Ser Ile Ile Tyr
 85 90 95

<210> 253
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 253
 Met Ser Leu Phe Val Leu Leu Phe Ala His Thr Arg Leu Cys Ser Ser
 1 5 10 15
 Val Phe Gly Asp Arg Tyr Leu Tyr Val Asp Leu Val Gly Gln Glu Lys
 20 25 30
 Leu Arg Cys Lys Lys Pro Thr Pro Gln His Ala Gly Phe Asn Gly Lys
 35 40 45
 Val Asp Gln Lys Asp Asn Lys Leu Gly Lys Leu Ile Asn Cys Val Leu
 50 55 60
 Leu Lys Ala Ile Cys Asp Phe Ile Leu Lys Ala Leu Gln Met Tyr Leu
 65 70 75 80
 Ile Phe

<210> 254
 <211> 217
 <212> PRT
 <213> Homo sapiens

<400> 254
 Met Arg Met Lys Tyr Leu Trp Thr Ser His Met Cys Val Phe Ala Ser
 1 5 10 15
 Phe Gly Leu Cys Ser Pro Glu Ile Trp Glu Leu Leu Leu Lys Ser Val
 20 25 30
 His Leu Tyr Asn Pro Lys Arg Phe Trp Pro Gly Met Met Asp Glu Leu
 35 40 45
 Ser Glu Leu Arg Glu Phe Tyr Asp Pro Asp Thr Val Glu Leu Met Asn
 50 55 60
 Trp Ile Asn Ser Asn Thr Pro Arg Lys Ala Val Phe Ala Gly Ser Met
 65 70 75 80
 Gln Leu Leu Ala Gly Val Lys Leu Cys Thr Gly Arg Thr Leu Thr Asn
 85 90 95
 His Pro His Tyr Glu Asp Ser Ser Leu Arg Glu Arg Thr Arg Ala Val
 100 105 110
 Tyr Gln Ile Tyr Ala Lys Arg Ala Pro Glu Glu Val His Ala Leu Leu
 115 120 125
 Arg Ser Phe Gly Thr Asp Tyr Val Ile Leu Glu Asp Ser Ile Cys Tyr

130		135		140
Glu Arg Arg His Arg Arg Gly Cys Arg Leu Arg Asp Leu Leu Asp Ile				
145		150		155 160
Ala Asn Gly His Met Met Asp Gly Pro Gly Glu Asn Asp Pro Asp Leu				
	165		170	175
Lys Pro Ala Asp His Pro Arg Phe Cys Glu Glu Ile Lys Arg Asn Leu				
	180		185	190
Pro Pro Tyr Val Ala Tyr Phe Thr Arg Val Phe Gln Asn Lys Thr Phe				
	195		200	205
His Val Tyr Lys Leu Ser Arg Asn Lys				
	210		215	

<210> 255
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 255
Met Gly Arg Gly Trp Val Val Asp Gly Val Ser Val Val Ser Cys Gly
1 5 10 15
Arg Val Ile Leu Leu Leu Phe Leu Phe His Ile Leu Pro Pro Pro Gln
20 25 30
Ala Lys Val Val Ser Phe Gly Phe His Cys Val Asp Cys Ala Gly Ala
35 40 45
Trp Arg Leu Pro Glu Lys Phe Gly Ala Arg Gln Ala Pro Gly Cys Arg
50 55 60
His Gly Glu Ala Glu Lys Leu Phe Phe Trp Phe Leu His Asn Leu Arg
65 70 75 80
Gly Ala Lys Thr Leu Pro Arg Lys Glu Glu Gly Val Gln Glu Pro Asp
85 90 95
Phe Trp Arg Glu Gly Ser Ser Gln Pro Ala Gly
100 105

<210> 256
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 256
Met Ile Ile Ser Thr Ile Gly Glu Ile Ala Leu Asn Pro Leu Asn Ile
1 5 10 15

Leu Gly Ile Asn Phe Leu Gly Arg Arg Leu Ser Leu Ser Ile Thr Met
 20 25 30
 Gly Cys Thr Ala Leu Phe Cys Leu Leu Leu Asn Ile Cys Thr Ser Ser
 35 40 45
 Ala Gly Leu Ile Gly Phe Leu Phe Met Leu Arg Ala Leu Val Ala Ala
 50 55 60
 Asn Phe Asn Thr Val Tyr Ile Tyr Thr Ala Glu Val Tyr Pro Thr Thr
 65 70 75 80
 Met Arg Ala Leu Gly Met Gly Thr Ser Gly Ser Leu Cys Arg Ile Gly
 85 90 95
 Ala Met Val Ala Pro Phe Ile Ser Gln Val Leu Met Ser Ala Ser Ile
 100 105 110
 Leu Gly Ala Leu Cys Leu Phe Ser Ser Val Cys Val Val Cys Ala Ile
 115 120 125
 Ser Ala Phe Thr Leu Pro Ile Glu Thr Lys Gly Arg Ala Leu Gln Gln
 130 135 140
 Ile Lys
 145

<210> 257
 <211> 205
 <212> PRT
 <213> Homo sapiens

<400> 257
 Met Ala Val Val Phe Ser Thr Leu Val Cys Leu Ser Arg Leu Tyr Thr
 1 5 10 15
 Gly Met His Thr Val Leu Asp Val Leu Gly Gly Val Leu Ile Thr Ala
 20 25 30
 Leu Leu Ile Val Leu Thr Tyr Pro Ala Trp Thr Phe Ile Asp Cys Leu
 35 40 45
 Asp Ser Ala Ser Pro Leu Phe Pro Val Cys Val Ile Val Val Pro Phe
 50 55 60
 Phe Leu Cys Tyr Asn Tyr Pro Val Ser Asp Tyr Tyr Ser Pro Thr Arg
 65 70 75 80
 Ala Asp Thr Thr Thr Ile Leu Ala Ala Gly Ala Gly Val Thr Ile Gly
 85 90 95
 Phe Trp Ile Asn His Phe Phe Gln Leu Val Ser Lys Pro Ala Glu Ser
 100 105 110
 Leu Pro Val Ile Gln Asn Ile Pro Pro Leu Thr Thr Tyr Met Leu Val

115					120					125					
Leu	Gly	Leu	Thr	Lys	Phe	Ala	Val	Gly	Ile	Val	Leu	Ile	Leu	Leu	Val
130					135					140					
Arg	Gln	Leu	Val	Gln	Asn	Leu	Ser	Leu	Gln	Val	Leu	Tyr	Ser	Trp	Phe
145					150					155					160
Lys	Val	Val	Thr	Arg	Asn	Lys	Glu	Ala	Arg	Arg	Arg	Leu	Glu	Ile	Glu
				165					170					175	
Val	Pro	Tyr	Lys	Phe	Val	Thr	Tyr	Thr	Ser	Val	Gly	Ile	Cys	Ala	Thr
			180					185					190		
Thr	Phe	Val	Pro	Met	Leu	His	Arg	Phe	Leu	Gly	Leu	Pro			
		195					200					205			

<210> 258
 <211> 153
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 258															
Met	Leu	Pro	Arg	Gly	Arg	Pro	Arg	Ala	Leu	Gly	Ala	Ala	Ala	Leu	Leu
1				5					10					15	
Leu	Leu	Leu	Xaa	Xaa	Leu	Gly	Phe	Leu	Xaa	Phe	Gly	Gly	Asp	Leu	Gly
			20				25						30		
Cys	Glu	Arg	Arg	Glu	Pro	Gly	Gly	Arg	Ala	Gly	Ala	Pro	Gly	Cys	Phe
		35					40					45			
Pro	Gly	Pro	Leu	Met	Pro	Arg	Val	Pro	Pro	Asp	Gly	Arg	Leu	Arg	Arg
	50					55					60				

Ala Ala Ala Leu Asp Gly Asp Pro Gly Ala Gly Pro Gly Asp His Asn
 65 70 75 80
 Arg Ser Asp Cys Gly Pro Gln Pro Pro Pro Pro Lys Cys Glu Val
 85 90 95
 Gly Ala Arg Gly Pro Gly Gly Gly Ser Pro Gly Gly Ala Ala Pro Glu
 100 105 110
 Pro Xaa Leu Leu Asp Ile Cys Gly Asn His Ser Thr Trp Arg Leu Ser
 115 120 125
 Ser Thr Gly Gln Pro Ala Gly Ala His Leu Glu Arg Ala Ala Pro Leu
 130 135 140
 Leu Pro Thr Ser Phe Pro His Leu Lys
 145 150

<210> 259
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 259
 Met Ile Leu Trp Arg Arg Arg His Thr Leu Val Phe Arg Leu Phe Ser
 1 5 10 15
 Phe Phe Ala Leu Val Ser Pro His Leu Cys Asp Phe Ile Tyr Leu Trp
 20 25 30
 Ser Leu Met Met Val Thr Tyr Arg Trp Gly Phe Gly Val Asp Ile Leu
 35 40 45
 Phe Val Asp Val Asp Ala Ile Pro Phe Cys Leu Leu Val Phe Leu Leu
 50 55 60
 Thr Val Arg Ser Leu Ser Gly Arg Ser Val Gly Val Ala Gly Gly Pro
 65 70 75 80
 Leu Pro Thr Leu Phe Ala Trp Val Ser Pro Val Glu Ala Ala Glu Gln
 85 90 95
 Gln Ile Leu

<210> 260
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 260
 Met Ala Trp Trp Pro Asn Ser Thr Cys Trp Leu Leu Thr Ala Val Thr
 1 5 10 15

Met Ala Leu Ala Thr Arg Cys Val Pro Gln Glu Leu Pro Ser Gly Ser
 20 25 30
 Glu Val Pro Gly Leu Glu Ala Val Gln Val Val Arg Ser Gly Leu Ala
 35 40 45
 Gly Pro His Arg Cys Ser Cys Arg His Pro Val Leu Ala Leu Thr Gly
 50 55 60
 Gly Arg Asp Thr Gln Gly Pro Gly Ala Ser Gly Pro Val Leu Gln Trp
 65 70 75 80
 Pro Pro Leu Leu Ser Gln Arg Val Gln Ala Trp Leu Leu Lys Ala Met
 85 90 95
 Cys Leu Arg Leu Thr Leu Lys Arg Ala Cys Gln Ala Ala Pro Gly Gly
 100 105 110
 Ser Ser His Gly Gly Arg Cys Pro Ala Val Cys Trp Pro Pro Gly Gly
 115 120 125
 Arg Asp Gly Arg Gly Ala Ala Gly Ser Gly Gln Gly His Gly Arg Trp
 130 135 140
 Pro Gly Leu Gly Thr Ser Leu Gln Val Ala Ser Thr Leu Arg Pro Glu
 145 150 155 160
 Leu Arg Pro Thr Arg Thr Gly Asp Ala Gly Asp
 165 170

<210> 261
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 261
 Met Gly Phe Ser Pro Cys Ile Phe Trp Gly Arg Gly Leu Phe Ser Ala
 1 5 10 15
 Thr Ser Trp Gly Leu Leu Pro Phe Ala Val Pro Ile Thr Thr Val Val
 20 25 30
 Gly Arg Pro Ile Pro Val Pro Gln Arg Leu His Pro Thr Glu Glu Glu
 35 40 45
 Val Asn His Tyr His Ala Leu Tyr Met Thr Ala Leu Glu Gln Leu Phe
 50 55 60
 Glu Glu His Lys Glu Ser Cys Gly Val Pro Ala Ser Thr Cys Leu Thr
 65 70 75 80
 Phe Ile

<210> 262
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 262
 Met Thr Leu Trp Asn Gly Val Leu Pro Phe Tyr Pro Gln Pro Arg His
 1 5 10 15
 Ala Ala Gly Phe Ser Val Pro Leu Leu Ile Val Ile Leu Val Phe Leu
 20 25 30
 Ala Leu Ala Ala Ser Phe Leu Leu Ile Leu Pro Gly Ile Arg Gly His
 35 40 45
 Ser Glu Tyr Leu His Ser His Leu Leu Pro Ser Glu Ile Arg Leu Gly
 50 55 60
 Pro Pro Ser Ser Glu Gly Gly Asp Pro Cys Val Pro Ser Thr Ser Gly
 65 70 75 80
 Leu Thr Glu Pro His Gln Ala Val Thr Gly Pro Gly Gly Arg Thr Arg
 85 90 95
 Thr Arg Arg Gln Thr Ala Arg
 100

<210> 263
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 263
 Met Thr Arg Ala Pro Leu Leu Leu Leu Cys Val Ala Leu Val Leu Leu
 1 5 10 15
 Gly His Val Asn Gly Ala Thr Val Arg Asn Glu Asp Lys Trp Lys Pro
 20 25 30
 Leu Asn Asn Pro Arg Asn Arg Asp Leu Phe Phe Arg Arg Leu Gln Ala
 35 40 45
 Tyr Phe Lys Gly Arg Gly Leu Asp Leu Gly Thr Phe Pro Asn Pro Phe
 50 55 60
 Pro Thr Asn Glu Asn Pro Arg Pro Leu Ser Phe Gln Ser Glu Leu Thr
 65 70 75 80
 Ala Ser Ala Ser Ala Asp Tyr Glu Glu Gln Lys Asn Ser Phe His Asn
 85 90 95
 Tyr Leu Lys Gly
 100

<210> 264
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 264
 Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
 1 5 10 15
 Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
 20 25 30
 Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
 35 40 45
 Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
 50 55 60
 Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln
 65 70 75 80
 Gly Arg Gly Pro Ile Leu Pro Gly Thr Lys Ala Trp Met Glu Thr Glu
 85 90 95
 Asp Thr Leu Gly Arg Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu
 100 105 110
 Tyr His Pro Pro Pro Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg Leu
 115 120 125
 Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp Gln
 130 135 140
 Asp His Ile Tyr His Pro Gln
 145 150

<210> 265
 <211> 142
 <212> PRT
 <213> Homo sapiens

<400> 265
 Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
 1 5 10 15
 Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
 20 25 30
 Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
 35 40 45
 Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro

50		55		60
Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Thr				
65		70		75
Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg Val Leu Ser Pro				
	85		90	95
Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro Glu Glu Asp Gln				
	100		105	110
Gly Glu Glu Arg Pro Arg Leu Trp Val Met Pro Asn His Gln Val Leu				
	115		120	125
Leu Gly Pro Glu Glu Asp Gln Asp His Ile Tyr His Pro Gln				
	130		135	140

<210> 266
 <211> 450
 <212> PRT
 <213> Homo sapiens

<400> 266
Met Leu Val Thr Ala Tyr Leu Ala Phe Val Gly Leu Leu Ala Ser Cys
1 5 10 15
Leu Gly Leu Glu Leu Ser Arg Cys Arg Ala Lys Pro Pro Gly Arg Ala
20 25 30
Cys Ser Asn Pro Ser Phe Leu Arg Phe Gln Leu Asp Phe Tyr Gln Val
35 40 45
Tyr Phe Leu Ala Leu Ala Ala Asp Trp Leu Gln Ala Pro Tyr Leu Tyr
50 55 60
Lys Leu Tyr Gln His Tyr Tyr Phe Leu Glu Gly Gln Ile Ala Ile Leu
65 70 75 80
Tyr Val Cys Gly Leu Ala Ser Thr Val Leu Phe Gly Leu Val Ala Ser
85 90 95
Ser Leu Val Asp Trp Leu Gly Arg Lys Asn Ser Cys Val Leu Phe Ser
100 105 110
Leu Thr Tyr Ser Leu Cys Cys Leu Thr Lys Leu Ser Gln Asp Tyr Phe
115 120 125
Val Leu Leu Val Gly Arg Ala Leu Gly Gly Leu Ser Thr Ala Leu Leu
130 135 140
Phe Ser Ala Phe Glu Ala Trp Tyr Ile His Glu His Val Glu Arg His
145 150 155 160
Asp Phe Pro Ala Glu Trp Ile Pro Ala Thr Phe Ala Arg Ala Ala Phe
165 170 175

Trp Asn His Val Leu Ala Val Val Ala Gly Val Ala Ala Glu Ala Val
 180 185 190
 Ala Ser Trp Ile Gly Leu Gly Pro Val Ala Pro Phe Val Ala Ala Ile
 195 200 205
 Pro Leu Leu Ala Leu Ala Gly Ala Leu Ala Leu Arg Asn Trp Gly Glu
 210 215 220
 Asn Tyr Asp Arg Gln Arg Ala Phe Ser Arg Thr Cys Ala Gly Gly Leu
 225 230 235 240
 Arg Cys Leu Leu Ser Asp Arg Arg Val Leu Leu Leu Gly Thr Ile Gln
 245 250 255
 Ala Leu Phe Glu Ser Val Ile Phe Ile Phe Val Phe Leu Trp Thr Pro
 260 265 270
 Val Leu Asp Pro His Gly Ala Pro Leu Gly Ile Ile Phe Ser Ser Phe
 275 280 285
 Met Ala Ala Ser Leu Leu Gly Ser Ser Leu Tyr Arg Ile Ala Thr Ser
 290 295 300
 Lys Arg Tyr His Leu Gln Pro Met His Leu Leu Ser Leu Ala Val Leu
 305 310 315 320
 Ile Val Val Phe Ser Leu Phe Met Leu Thr Phe Ser Thr Ser Pro Gly
 325 330 335
 Gln Glu Ser Pro Val Glu Ser Phe Ile Ala Phe Leu Leu Ile Glu Leu
 340 345 350
 Ala Cys Gly Leu Tyr Phe Pro Ser Met Ser Phe Leu Arg Arg Lys Val
 355 360 365
 Ile Pro Glu Thr Glu Gln Ala Gly Val Leu Asn Trp Phe Arg Val Pro
 370 375 380
 Leu His Ser Leu Ala Cys Leu Gly Leu Leu Val Leu His Asp Ser Asp
 385 390 395 400
 Arg Lys Thr Gly Thr Arg Asn Met Phe Ser Ile Cys Ser Ala Val Met
 405 410 415
 Val Met Ala Leu Leu Ala Val Val Gly Leu Phe Thr Val Val Arg His
 420 425 430
 Asp Ala Glu Leu Arg Val Pro Ser Pro Thr Glu Glu Pro Tyr Ala Pro
 435 440 445
 Glu Leu
 450

<210> 267
 <211> 266
 <212> PRT
 <213> Homo sapiens

<400> 267

Met	Trp	Trp	Phe	Gln	Gln	Gly	Leu	Ser	Phe	Leu	Pro	Ser	Ala	Leu	Val
1				5					10					15	
Ile	Trp	Thr	Ser	Ala	Ala	Phe	Ile	Phe	Ser	Tyr	Ile	Thr	Ala	Val	Thr
			20					25					30		
Leu	His	His	Ile	Asp	Pro	Ala	Leu	Pro	Tyr	Ile	Ser	Asp	Thr	Gly	Thr
		35					40					45			
Val	Ala	Pro	Glu	Lys	Cys	Leu	Phe	Gly	Ala	Met	Leu	Asn	Ile	Ala	Ala
	50					55					60				
Val	Leu	Cys	Ile	Ala	Thr	Ile	Tyr	Val	Arg	Tyr	Lys	Gln	Val	His	Ala
65					70					75					80
Leu	Ser	Pro	Glu	Glu	Asn	Val	Ile	Ile	Lys	Leu	Asn	Lys	Ala	Gly	Leu
				85					90					95	
Val	Leu	Gly	Ile	Leu	Ser	Cys	Leu	Gly	Leu	Ser	Ile	Val	Ala	Asn	Phe
			100					105					110		
Gln	Lys	Thr	Thr	Leu	Phe	Ala	Ala	His	Val	Ser	Gly	Ala	Val	Leu	Thr
		115					120					125			
Phe	Gly	Met	Gly	Ser	Leu	Tyr	Met	Phe	Val	Gln	Thr	Ile	Leu	Ser	Tyr
	130					135					140				
Gln	Met	Gln	Pro	Lys	Ile	His	Gly	Lys	Gln	Val	Phe	Trp	Ile	Arg	Leu
145					150					155					160
Leu	Leu	Val	Ile	Trp	Cys	Gly	Val	Ser	Ala	Leu	Ser	Met	Leu	Thr	Cys
			165						170					175	
Ser	Ser	Val	Leu	His	Ser	Gly	Asn	Phe	Gly	Thr	Asp	Leu	Glu	Gln	Lys
		180						185					190		
Leu	His	Trp	Asn	Pro	Glu	Asp	Lys	Gly	Tyr	Val	Leu	His	Met	Ile	Thr
		195					200					205			
Thr	Ala	Ala	Glu	Trp	Ser	Met	Ser	Phe	Ser	Phe	Phe	Gly	Phe	Phe	Leu
	210					215					220				
Thr	Tyr	Ile	Arg	Asp	Phe	Gln	Lys	Ile	Ser	Leu	Arg	Val	Glu	Ala	Asn
225					230					235					240
Leu	His	Gly	Leu	Thr	Leu	Tyr	Asp	Thr	Ala	Pro	Cys	Pro	Ile	Asn	Asn
			245						250					255	
Glu	Arg	Thr	Arg	Leu	Leu	Ser	Arg	Asp	Ile						
			260					265							

<210> 268
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 268
 Leu Pro Ala Gln Gly Ile Ser Gly Leu Ala Gly Leu Arg Gly Leu Ala
 1 5 10 15
 Pro Val Glu Leu Trp Val Pro Val Phe Ser Val Phe Phe Ala Ala Leu
 20 25 30
 Leu Trp Leu Ala Ala Ala Val Leu Gln Ala Cys Val Gly His Ser Asp
 35 40 45
 Glu Gly Cys Gly Ala Ser Gln Cys Arg Arg Ala Ala Leu Gly Ile Val
 50 55 60
 Pro Ser Pro Val Ser Val Leu Arg Thr Tyr Pro Gly Leu His His Gln
 65 70 75 80
 Asp Pro Val Phe Gly Phe Arg Arg Pro Ser Met Gly Lys Thr Arg His
 85 90 95
 Gln Pro Leu Gln Gln Trp Val Pro Leu Ala Cys Gly His Gln Leu Gly
 100 105 110
 Asp Pro Gly Ser Gly Pro Leu Leu Ser Pro Val Ser Leu Cys Cys Gly
 115 120 125
 Phe Trp Ala Val Met Ser Pro Pro Leu Lys Asp Val Phe Thr Leu Thr
 130 135 140
 Ser Gly
 145

<210> 269
 <211> 263
 <212> PRT
 <213> Homo sapiens

<400> 269
 Met Lys Ala Gln Gly Val Leu Leu Lys Leu Ala Leu Leu Ala Leu Pro
 1 5 10 15
 Leu Leu Leu Leu Leu Ser Thr Pro Pro Cys Ala Pro Gln Val Ser Gly
 20 25 30
 Ile Arg Gly Asp Ala Leu Glu Arg Phe Cys Leu Gln Gln Pro Leu Asp
 35 40 45
 Cys Asp Asp Ile Tyr Ala Gln Gly Tyr Gln Ser Asp Gly Val Tyr Leu
 50 55 60

Ile	Tyr	Pro	Ser	Gly	Pro	Ser	Val	Pro	Val	Pro	Val	Phe	Cys	Asp	Met
65					70					75					80
Thr	Thr	Glu	Gly	Gly	Lys	Trp	Thr	Val	Phe	Gln	Lys	Arg	Phe	Asn	Gly
			85						90					95	
Ser	Val	Ser	Phe	Phe	Arg	Gly	Trp	Asn	Asp	Tyr	Lys	Leu	Gly	Phe	Gly
			100					105					110		
Arg	Ala	Asp	Gly	Glu	Tyr	Trp	Leu	Gly	Leu	Gln	Asn	Met	His	Leu	Leu
		115					120					125			
Thr	Leu	Lys	Gln	Lys	Tyr	Glu	Leu	Arg	Val	Asp	Leu	Glu	Asp	Phe	Glu
	130					135					140				
Asn	Asn	Thr	Ala	Tyr	Ala	Lys	Tyr	Ala	Asp	Phe	Ser	Ile	Ser	Pro	Asn
145					150					155					160
Ala	Val	Ser	Ala	Glu	Glu	Asp	Gly	Tyr	Thr	Leu	Phe	Val	Ala	Gly	Phe
			165						170					175	
Glu	Asp	Gly	Gly	Ala	Gly	Asp	Ser	Leu	Ser	Tyr	His	Ser	Gly	Gln	Lys
			180					185					190		
Phe	Ser	Thr	Phe	Asp	Arg	Asp	Gln	Asp	Leu	Phe	Val	Gln	Asn	Cys	Ala
		195					200					205			
Ala	Leu	Ser	Ser	Gly	Ala	Phe	Trp	Phe	Arg	Ser	Cys	His	Phe	Ala	Asn
	210					215					220				
Leu	Asn	Gly	Phe	Tyr	Leu	Gly	Gly	Ser	His	Leu	Ser	Tyr	Ala	Asn	Gly
225					230					235					240
Ile	Asn	Trp	Ala	Gln	Trp	Lys	Gly	Phe	Tyr	Tyr	Ser	Leu	Lys	Arg	Thr
			245					250						255	
Glu	Met	Lys	Ile	Arg	Arg	Ala									
			260												

<210> 270
 <211> 950
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (153)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (176)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (278)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 270

Met	Thr	Trp	Arg	Met	Gly	Pro	Arg	Phe	Thr	Met	Leu	Leu	Ala	Met	Trp
1				5					10					15	
Leu	Val	Cys	Gly	Ser	Glu	Pro	His	Pro	His	Ala	Thr	Ile	Arg	Gly	Ser
			20					25					30		
His	Gly	Gly	Arg	Lys	Val	Pro	Leu	Val	Ser	Pro	Asp	Ser	Ser	Arg	Pro
		35					40					45			
Ala	Arg	Phe	Leu	Arg	His	Thr	Gly	Arg	Ser	Arg	Gly	Ile	Glu	Arg	Ser
	50					55					60				
Thr	Leu	Glu	Glu	Pro	Asn	Leu	Gln	Pro	Leu	Gln	Arg	Arg	Arg	Ser	Val
65					70					75					80
Pro	Val	Leu	Arg	Leu	Ala	Arg	Pro	Thr	Glu	Pro	Pro	Ala	Arg	Ser	Asp
				85					90					95	
Ile	Asn	Gly	Ala	Ala	Val	Arg	Pro	Glu	Gln	Arg	Pro	Ala	Ala	Arg	Gly
			100					105					110		
Ser	Pro	Arg	Glu	Met	Ile	Arg	Asp	Glu	Gly	Ser	Ser	Ala	Arg	Ser	Arg
		115					120					125			
Met	Leu	Arg	Phe	Pro	Ser	Gly	Ser	Ser	Ser	Pro	Asn	Ile	Leu	Ala	Ser
	130					135					140				
Phe	Ala	Gly	Lys	Asn	Arg	Val	Trp	Xaa	Ile	Ser	Ala	Pro	His	Ala	Ser
145					150					155					160
Glu	Gly	Tyr	Tyr	Arg	Leu	Met	Met	Ser	Leu	Leu	Lys	Asp	Asp	Val	Xaa
				165					170					175	
Cys	Glu	Leu	Ala	Glu	Arg	His	Ile	Gln	Gln	Ile	Val	Leu	Phe	His	Gln
			180					185					190		
Ala	Gly	Glu	Glu	Gly	Gly	Lys	Val	Arg	Arg	Ile	Thr	Ser	Glu	Gly	Gln
		195					200					205			
Ile	Leu	Glu	Gln	Pro	Leu	Asp	Pro	Ser	Leu	Ile	Pro	Lys	Leu	Met	Ser
	210					215					220				
Phe	Leu	Lys	Leu	Glu	Lys	Gly	Lys	Phe	Gly	Met	Val	Leu	Leu	Lys	Lys
225					230					235					240
Thr	Leu	Gln	Val	Glu	Glu	Arg	Tyr	Pro	Tyr	Pro	Val	Arg	Leu	Glu	Ala
				245					250					255	
Met	Tyr	Glu	Val	Ile	Asp	Gln	Gly	Pro	Ile	Arg	Arg	Ile	Glu	Lys	Ile
			260					265					270		

Arg Gln Lys Gly Phe Xaa Gln Lys Cys Lys Ala Ser Gly Val Glu Gly
 275 280 285
 Gln Val Val Ala Glu Gly Asn Asp Gly Gly Gly Gly Ala Gly Arg Pro
 290 295 300
 Ser Leu Gly Ser Glu Lys Lys Lys Glu Asp Pro Arg Arg Ala Gln Val
 305 310 315 320
 Pro Pro Thr Arg Glu Ser Arg Val Lys Val Leu Arg Lys Leu Ala Ala
 325 330 335
 Thr Ala Pro Ala Leu Pro Gln Pro Pro Ser Thr Pro Arg Ala Thr Thr
 340 345 350
 Leu Pro Pro Ala Pro Ala Thr Thr Val Thr Arg Ser Thr Ser Arg Ala
 355 360 365
 Val Thr Val Ala Ala Arg Pro Met Thr Thr Thr Ala Phe Pro Thr Thr
 370 375 380
 Gln Arg Pro Trp Thr Pro Ser Pro Ser His Arg Pro Pro Thr Thr Thr
 385 390 395 400
 Glu Val Ile Thr Ala Arg Arg Pro Ser Val Ser Glu Asn Leu Tyr Pro
 405 410 415
 Pro Ser Arg Lys Asp Gln His Arg Glu Arg Pro Gln Thr Thr Arg Arg
 420 425 430
 Pro Ser Lys Ala Thr Ser Leu Glu Ser Phe Thr Asn Ala Pro Pro Thr
 435 440 445
 Thr Ile Ser Glu Pro Ser Thr Arg Ala Ala Gly Pro Gly Arg Phe Arg
 450 455 460
 Asp Asn Arg Met Asp Arg Arg Glu His Gly His Arg Asp Pro Asn Val
 465 470 475 480
 Val Pro Gly Pro Pro Lys Pro Ala Lys Glu Lys Pro Pro Lys Lys Lys
 485 490 495
 Ala Gln Asp Lys Ile Leu Ser Asn Glu Tyr Glu Glu Lys Tyr Asp Leu
 500 505 510
 Ser Arg Pro Thr Ala Ser Gln Leu Glu Asp Glu Leu Gln Val Gly Asn
 515 520 525
 Val Pro Leu Lys Lys Ala Lys Glu Ser Lys Lys His Glu Lys Leu Glu
 530 535 540
 Lys Pro Glu Lys Glu Lys Lys Lys Lys Met Lys Asn Glu Asn Ala Asp
 545 550 555 560
 Lys Leu Leu Lys Ser Glu Lys Gln Met Lys Lys Ser Glu Lys Lys Ser
 565 570 575

Lys Gln Glu Lys Glu Lys Ser Lys Lys Lys Lys Gly Gly Lys Thr Glu
 580 585 590
 Gln Asp Gly Tyr Gln Lys Pro Thr Asn Lys His Phe Thr Gln Ser Pro
 595 600 605
 Lys Lys Ser Val Ala Asp Leu Leu Gly Ser Phe Glu Gly Lys Arg Arg
 610 615 620
 Leu Leu Leu Ile Thr Ala Pro Lys Ala Glu Asn Asn Met Tyr Val Gln
 625 630 635 640
 Gln Arg Asp Glu Tyr Leu Glu Ser Phe Cys Lys Met Ala Thr Arg Lys
 645 650 655
 Ile Ser Val Ile Thr Ile Phe Gly Pro Val Asn Asn Ser Thr Met Lys
 660 665 670
 Ile Asp His Phe Gln Leu Asp Asn Glu Lys Pro Met Arg Val Val Asp
 675 680 685
 Asp Glu Asp Leu Val Asp Gln Arg Leu Ile Ser Glu Leu Arg Lys Glu
 690 695 700
 Tyr Gly Met Thr Tyr Asn Asp Phe Phe Met Val Leu Thr Asp Val Asp
 705 710 715 720
 Leu Arg Val Lys Gln Tyr Tyr Glu Val Pro Ile Thr Met Lys Ser Val
 725 730 735
 Phe Asp Leu Ile Asp Thr Phe Gln Ser Arg Ile Lys Asp Met Glu Lys
 740 745 750
 Gln Lys Lys Glu Gly Ile Val Cys Lys Glu Asp Lys Lys Gln Ser Leu
 755 760 765
 Glu Asn Phe Leu Ser Arg Phe Arg Trp Arg Arg Arg Leu Leu Val Ile
 770 775 780
 Ser Ala Pro Asn Asp Glu Asp Trp Ala Tyr Ser Gln Gln Leu Ser Ala
 785 790 795 800
 Leu Ser Gly Gln Ala Cys Asn Phe Gly Leu Arg His Ile Thr Ile Leu
 805 810 815
 Lys Leu Leu Gly Val Gly Glu Glu Val Gly Gly Val Leu Glu Leu Phe
 820 825 830
 Pro Ile Asn Gly Ser Ser Val Val Glu Arg Glu Asp Val Pro Ala His
 835 840 845
 Leu Val Lys Asp Ile Arg Asn Tyr Phe Gln Val Ser Pro Glu Tyr Phe
 850 855 860
 Ser Met Leu Leu Val Gly Lys Asp Gly Asn Val Lys Ser Trp Tyr Pro
 865 870 875 880

Ser Pro Met Trp Ser Met Val Ile Val Tyr Asp Leu Ile Asp Ser Met
885 890 895

Gln Leu Arg Arg Gln Glu Met Ala Ile Gln Gln Ser Leu Gly Met Arg
900 905 910

Cys Pro Glu Asp Glu Tyr Ala Gly Tyr Gly Tyr His Ser Tyr His Gln
915 920 925

Gly Tyr Gln Asp Gly Tyr Gln Asp Asp Tyr Arg His His Glu Ser Tyr
930 935 940

His His Gly Tyr Pro Tyr
945 950

<210> 271

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 271

Met Cys Val His Val Leu His Val Cys Ala Cys Val Cys Met Cys Cys
1 5 10 15

Thr Cys Val Cys Ala His Val Cys Val Asp Met Cys Ser Cys Phe Val
20 25 30

Leu Trp Ser Gly Cys Phe Leu Cys Leu Pro Gln Ile Leu Val Glu Ile
35 40 45

Leu Thr Pro Gln Ala Met Met Leu Gly Gly Gly Ala Ser Gly Arg Trp
50 55 60

Gln Val Arg Glu Ala Ala Ala Leu Leu Gly Asp Gln Cys Pro Ser Thr
65 70 75 80

Ser Gly Ser Arg Glu Val Pro Cys Pro Phe His His Val Arg Thr Arg
85 90 95

Asp Gly Ala Val Tyr Glu Pro Gly Ser Glu Ser Ser Pro Asp Val Glu
100 105 110

Gln Xaa Gly Ala Leu Ile Leu Asn Leu Gln Pro Pro Ala Ala Val
115 120 125

<210> 272

<211> 94

<212> PRT

<213> Homo sapiens

<400> 272

```
Met Ala Ile Ser Ser Val Ala Ser Phe Leu Leu Leu Val Tyr Ser Phe
 1           5           10           15

Thr His Ser Leu Met Pro Cys Arg Ala Ile Ile Ser Ser His Ile His
      20           25           30

Leu Phe Val His Gln Ser Pro Ala Pro Gly Ser Phe Gly Ala His Gln
      35           40           45

Ala Gly Leu Ala Ser Gln Pro Pro Glu Leu Pro Ala Gln Ala Ser Arg
      50           55           60

His Leu Ala Ala Ala Ser Ser Pro Leu Ser Thr Pro Tyr Leu Phe Val
      65           70           75           80

Gln Pro Arg Pro Trp Gly Leu Trp Gly Arg His Lys Tyr Pro
      85           90
```

<210> 273

<211> 312

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (290)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (292)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (293)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 273

```
Met Arg Val Lys Arg Leu Leu Lys Ala Gly Val Ile Ser Ala Leu Ala
 1           5           10           15

Cys Met Val Lys Ala Asp Ser Ala Ile Leu Thr Asp Gln Thr Lys Glu
      20           25           30

Leu Leu Ala Arg Val Phe Leu Ala Leu Cys Asp Asn Pro Lys Asp Arg
      35           40           45

Gly Thr Ile Val Ala Gln Gly Gly Gly Lys Ala Leu Ile Pro Leu Ala
      50           55           60

Leu Glu Gly Thr Asp Val Gly Lys Val Lys Ala Ala His Ala Leu Ala
```

65		70		75		80									
Lys	Ile	Ala	Ala	Val	Ser	Asn	Pro	Asp	Ile	Ala	Phe	Pro	Gly	Glu	Arg
				85					90					95	
Val	Tyr	Glu	Val	Val	Arg	Pro	Leu	Val	Arg	Leu	Leu	Asp	Thr	Gln	Arg
			100					105					110		
Asp	Gly	Leu	Gln	Asn	Tyr	Glu	Ala	Leu	Leu	Gly	Leu	Thr	Asn	Leu	Ser
		115					120					125			
Gly	Arg	Ser	Asp	Lys	Leu	Arg	Gln	Lys	Ile	Phe	Lys	Glu	Arg	Ala	Leu
	130					135					140				
Pro	Asp	Ile	Glu	Asn	Tyr	Met	Phe	Glu	Asn	His	Asp	Gln	Leu	Arg	Gln
145					150					155					160
Ala	Ala	Thr	Glu	Cys	Met	Cys	Asn	Met	Val	Leu	His	Lys	Glu	Val	Gln
				165					170					175	
Glu	Arg	Phe	Leu	Ala	Asp	Gly	Asn	Asp	Arg	Leu	Lys	Leu	Val	Val	Leu
			180					185					190		
Leu	Cys	Gly	Glu	Asp	Asp	Asp	Lys	Val	Gln	Asn	Ala	Ala	Ala	Gly	Ala
		195					200					205			
Leu	Ala	Met	Leu	Thr	Ala	Ala	His	Lys	Lys	Leu	Cys	Leu	Lys	Met	Thr
	210					215					220				
Gln	Val	Thr	Thr	Gln	Trp	Leu	Glu	Ile	Leu	Gln	Arg	Leu	Cys	Leu	His
225					230					235					240
Asp	Gln	Leu	Ser	Val	Gln	His	Arg	Gly	Leu	Val	Ile	Ala	Tyr	Asn	Leu
				245					250					255	
Leu	Ala	Ala	Asp	Ala	Glu	Leu	Ala	Lys	Lys	Leu	Val	Glu	Ser	Glu	Leu
			260					265					270		
Leu	Glu	Ile	Leu	Thr	Val	Val	Gly	Lys	Gln	Glu	Pro	Asp	Glu	Lys	Lys
		275					280					285			
Ala	Xaa	Val	Xaa	Xaa	Thr	Ala	Arg	Glu	Cys	Leu	Ile	Lys	Cys	Met	Asp
	290					295					300				
Tyr	Gly	Phe	Ile	Lys	Pro	Val	Ser								
305					310										

<210> 274
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 274
 Met Gly Arg Cys Cys Phe Tyr Thr Ala Gly Thr Leu Ser Leu Leu Leu
 1 5 10 15

Leu Val Thr Ser Val Thr Leu Leu Val Ala Arg Val Phe Gln Lys Ala
 20 25 30
 Val Asp Gln Ser Ile Glu Lys Lys Ile Val Leu Arg Asn Gly Thr Glu
 35 40 45
 Ala Phe Asp Ser Trp Glu Lys Pro Pro Leu Pro Val Tyr Thr Gln Phe
 50 55 60
 Tyr Phe Phe Asn Val Thr Asn Pro Glu Glu Ile Leu Arg Gly Glu Thr
 65 70 75 80
 Pro Arg Val Glu Glu Val Gly Pro Tyr Thr Tyr Arg Glu Leu Arg Asn
 85 90 95
 Lys Ala Asn Ile Gln Phe Gly Asp Asn Gly Thr Thr Ile Ser Ala Val
 100 105 110
 Ser Asn Lys Ala Tyr Val Phe Glu Arg Asp Gln Ser Val Gly Asp Pro
 115 120 125
 Lys Ile Asp Leu Ile Arg Thr Leu Asn Ile Pro Val Leu Thr Val Ile
 130 135 140
 Glu Trp Ser Gln Val His Phe Leu Arg Glu Ile Ile Glu Ala Met Leu
 145 150 155 160
 Lys Ala Tyr Gln Gln Lys Leu Phe Val Thr His Thr Val Asp Glu Leu
 165 170 175
 Leu Trp Gly Tyr Lys Asp Glu Ile Leu Ser Leu Ile His Val Phe Arg
 180 185 190
 Pro Asp Ile Ser Pro Tyr Phe Gly Leu Phe Tyr Glu Lys Asn Gly Thr
 195 200 205
 Asn Asp Gly Asp Tyr Val Phe Leu Thr Gly Glu Asp Ser Tyr Leu Asn
 210 215 220
 Phe Thr Lys Ile Val Glu Trp Asn Gly Lys Thr Cys Thr
 225 230 235

<210> 275
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 275
 Met Pro Ala His Leu Gly Arg Met Gly Ile Val Arg Leu Gly Leu Leu
 1 5 10 15
 Cys Leu Lys Val Ser Val Leu Phe Val Cys Leu Val Ser Cys His Ser
 20 25 30

Ser Cys Met Ile Trp Gly Cys Arg Lys Asp Leu His Leu Thr Pro Ala
 35 40 45
 Leu Met Thr Gln Ile Val Thr Val Phe Gln Gly Arg Thr Ser Phe Leu
 50 55 60
 Gln Gly Met Val Val Gly Gly Ser Arg Ser Gln Thr Pro Val Trp Ala
 65 70 75 80
 Arg Leu Gln Ser Arg Val Gly Ala Val Arg Gly Trp Pro Gly Gly Arg
 85 90 95
 Cys Ile Thr Gly Ala Leu Cys Cys
 100

<210> 276
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 276
 Met His Thr Phe Thr Leu Phe Ser Val Asn Pro Val Leu Leu Trp Val
 1 5 10 15
 Phe Phe Phe Leu Leu Ser Phe Phe Phe Phe Phe Lys Arg His Ser
 20 25 30
 Leu Ala Leu Leu Pro Arg Leu Glu Cys Ser Gly Val Ile Ser Ala His
 35 40 45
 Cys Ile Leu Cys Leu Leu Gly Ser Ser Glu Ser Cys Ala Ser Ala Ser
 50 55 60
 Gln Val Gly Gly Ile Met Gly Met Cys Arg His Thr Trp Leu Ile Phe
 65 70 75 80
 Val Phe

<210> 277
 <211> 181
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (174)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 277
 Met Gln Met Leu Thr Phe Leu Leu Cys Phe Gly Phe Pro Phe Ser Thr
 1 5 10 15
 Ala Phe Tyr Phe His Ala Gly Glu Arg Glu Glu Lys Cys Leu Ile Xaa
 20 25 30
 Xaa Ile Pro Ser Asp Thr Leu Val Thr Gly Thr Phe Lys Ile Gln Gln
 35 40 45
 Trp Asp Ile Gly Arg His Thr Phe Leu Glu Ser Ala Pro Gly Leu Gly
 50 55 60
 Met Phe Val Thr Ile Thr Thr Tyr Asn Asp Glu Arg Ile His Leu Asp
 65 70 75 80

Ile Arg Val Gly Glu His Xaa Leu Asp Ala Ala Xaa Ala Gln Ala Lys
 85 90 95
 Xaa Lys Val Asn Glu Leu Xaa Phe Lys Leu Glu His Leu Ile Glu Gln
 100 105 110
 Ile Glu Gln Ile Val Lys Glu Gln Asn Tyr Gln Arg Xaa Arg Glu Glu
 115 120 125
 Asn Phe Xaa Thr Thr Ser Glu Asp Xaa Asn Ser Asn Val Leu Trp Trp
 130 135 140
 Ala Phe Ala Gln Ile Leu Ile Phe Ile Ser Val Gly Ile Phe Gln Met
 145 150 155 160
 Lys Tyr Leu Lys Asp Phe Phe Ile Ala Lys Lys Ile Val Xaa Asn Ile
 165 170 175
 Ile Asn Lys Asp Lys
 180

<210> 278
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 278
 Met Met Ala Gln Lys Arg Lys Gly Lys Met Val Lys Leu Tyr Val Leu
 1 5 10 15
 Gly Ser Val Leu Ala Leu Phe Gly Val Val Leu Gly Leu Met Glu Thr
 20 25 30
 Val Cys Ser Pro Phe Thr Ala Ala Arg Arg Leu Arg Asp Gln Glu Ala
 35 40 45
 Ala Val Ala Glu Leu Gln Ala Ala Leu Glu Arg Gln Ala Leu Gln Lys
 50 55 60
 Gln Ala Leu Gln Glu Lys Gly Lys Gln Gln Asp Thr Val Leu Gly Gly
 65 70 75 80
 Arg Ala Leu Ser Asn Arg Gln His Ala Ser
 85 90

<210> 279
 <211> 217
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (199)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 279

Met	Ala	Gly	Leu	Asn	Val	Ser	Leu	Ser	Phe	Phe	Phe	Ala	Thr	Phe	Thr
1				5					10					15	

Leu	Cys	Glu	Ala	Ala	Arg	Arg	Ala	Ser	Lys	Ala	Leu	Leu	Pro	Val	Gly
			20					25					30		

Ala	Tyr	Glu	Val	Phe	Ala	Arg	Glu	Ala	Val	Gly	Ala	Val	Gln	Leu	Gly
	35						40					45			

Ala	Cys	Xaa	Leu	Glu	Met	Arg	Thr	Leu	Val	Glu	Leu	Gly	Pro	Trp	Ala
	50					55					60				

Gly	Asp	Phe	Gly	Pro	Asp	Leu	Leu	Leu	Thr	Leu	Leu	Phe	Leu	Leu	Phe
65					70					75					80

Leu	Ala	His	Gly	Val	Thr	Leu	Asp	Gly	Ala	Ser	Ala	Asn	Pro	Thr	Val
				85					90					95	

Ser	Leu	Gln	Glu	Phe	Leu	Met	Ala	Glu	Xaa	Ser	Leu	Pro	Gly	Thr	Leu
		100						105					110		

Leu	Lys	Leu	Ala	Ala	Gln	Gly	Leu	Gly	Met	Gln	Ala	Ala	Cys	Thr	Leu
	115						120					125			

Xaa	Arg	Leu	Cys	Trp	Ala	Trp	Glu	Leu	Ser	Asp	Leu	His	Leu	Leu	Gln
130						135					140				

Ser	Leu	Met	Ala	Gln	Ser	Cys	Ser	Ser	Ala	Leu	Arg	Thr	Ser	Val	Pro
145					150					155					160

His	Gly	Ala	Leu	Xaa	Glu	Ala	Ala	Cys	Thr	Phe	Cys	Phe	His	Leu	Thr
			165						170					175	

Leu	Leu	His	Leu	Arg	His	Ser	Pro	Pro	Ala	Tyr	Ser	Gly	Pro	Ala	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

180	185	190
Ala Leu Leu Val Thr Val Xaa	Ala Tyr Thr Ala Gly Pro Tyr Val Cys	
195	200	205
Phe Phe Asn Pro Ala Leu	Ala Ala Leu	
210	215	

<210> 280
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 280
Met Asn Ala Lys Val Val Val Val Leu Val Leu Val Leu Thr Ala Leu
1 5 10 15
Cys Leu Ser Asp Gly Lys Pro Val Ser Leu Ser Tyr Arg Cys Pro Cys
20 25 30
Arg Phe Phe Glu Ser His Val Ala Arg Ala Asn Val Lys His Leu Lys
35 40 45
Ile Leu Asn Thr Pro Asn Cys Ala Leu Gln Ile Val Ala Arg Leu Lys
50 55 60
Asn Asn Asn Arg Gln Val Cys Ile Asp Pro Lys Leu Lys Trp Ile Gln
65 70 75 80
Glu Tyr Leu Glu Lys Ala Leu Asn Lys
85

<210> 281
 <211> 233
 <212> PRT
 <213> Homo sapiens

<400> 281
Met Thr Phe Val Thr Leu Phe Phe Ala Cys Leu Gly Phe Leu Ser Pro
1 5 10 15
Ala Asn Arg Gly Ala Leu Met Thr Cys Ala Val Val Leu Trp Val Leu
20 25 30
Leu Gly Thr Pro Ala Gly Tyr Val Ala Ala Arg Phe Tyr Lys Ser Phe
35 40 45
Gly Gly Glu Lys Trp Lys Thr Asn Val Leu Leu Thr Ser Phe Leu Cys
50 55 60
Pro Gly Ile Val Phe Ala Asp Phe Phe Ile Met Asn Leu Ile Leu Trp
65 70 75 80

Gly Glu Gly Ser Ser Ala Ala Ile Pro Phe Gly Thr Leu Val Ala Ile
 85 90 95
 Leu Ala Leu Trp Phe Cys Ile Ser Val Pro Leu Thr Phe Ile Gly Ala
 100 105 110
 Tyr Phe Gly Phe Lys Lys Asn Ala Ile Glu His Pro Val Arg Thr Asn
 115 120 125
 Gln Ile Pro Arg Gln Ile Pro Glu Gln Ser Phe Tyr Thr Lys Pro Leu
 130 135 140
 Pro Gly Ile Ile Met Gly Gly Ile Leu Pro Phe Gly Cys Ile Phe Ile
 145 150 155 160
 Gln Leu Phe Phe Ile Leu Asn Ser Ile Trp Ser His Gln Met Tyr Tyr
 165 170 175
 Met Phe Gly Phe Leu Phe Leu Val Phe Ile Ile Leu Val Ile Thr Cys
 180 185 190
 Ser Glu Ala Thr Ile Leu Leu Cys Tyr Phe His Leu Cys Ala Glu Asp
 195 200 205
 Tyr His Trp Gln Trp Arg Ser Phe Leu Thr Arg Gly Phe Thr Ala Val
 210 215 220
 Tyr Phe Leu Ser Met Gln Tyr Thr Thr
 225 230

<210> 282
 <211> 150
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 282
 Met Val Leu Cys Phe Pro Leu Leu Leu Leu Leu Val Leu Trp Gly
 1 5 10 15
 Pro Val Cys Pro Leu His Ala Trp Pro Lys Arg Leu Thr Lys Ala His
 20 25 30
 Trp Phe Glu Ile Gln His Ile Gln Pro Ser Pro Leu Gln Cys Asn Arg
 35 40 45
 Ala Met Ser Gly Ile Asn Asn Tyr Thr Gln His Cys Lys His Gln Asn
 50 55 60
 Thr Phe Leu His Asp Ser Phe Gln Asn Val Ala Ala Val Cys Asp Leu
 65 70 75 80

Leu Ser Ile Val Cys Lys Asn Arg Xaa His Asn Cys His Gln Ser Ser
 85 90 95
 Lys Pro Val Asn Met Thr Asp Cys Arg Leu Thr Ser Gly Lys Tyr Pro
 100 105 110
 Gln Cys Arg Tyr Ser Ala Ala Ala Gln Tyr Lys Phe Phe Ile Val Ala
 115 120 125
 Cys Asp Pro Pro Gln Lys Ser Asp Pro Pro Tyr Lys Leu Val Pro Val
 130 135 140
 His Leu Asp Ser Ile Leu
 145 150

<210> 283
 <211> 205
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 283
 Met Glu Phe Leu Trp Ala Pro Leu Leu Gly Leu Cys Cys Ser Leu Ala
 1 5 10 15
 Ala Ala Asp Arg His Thr Val Phe Trp Asn Ser Ser Asn Pro Lys Phe
 20 25 30
 Arg Asn Glu Asp Tyr Thr Ile His Val Gln Leu Asn Asp Tyr Val Asp
 35 40 45
 Ile Ile Cys Pro His Tyr Glu Asp His Ser Val Ala Asp Ala Ala Met
 50 55 60
 Glu Gln Tyr Ile Leu Tyr Leu Val Glu His Glu Glu Tyr Gln Leu Cys
 65 70 75 80
 Gln Pro Gln Ser Lys Asp Gln Val Arg Trp Gln Cys Asn Arg Pro Ser
 85 90 95
 Ala Lys His Gly Pro Glu Lys Leu Ser Glu Lys Phe Gln Arg Phe Thr
 100 105 110
 Pro Phe Thr Leu Gly Lys Glu Phe Lys Glu Gly His Ser Tyr Tyr Tyr
 115 120 125
 Ile Ser Lys Pro Ile His Gln His Glu Asp Arg Cys Leu Arg Leu Lys
 130 135 140
 Val Thr Val Ser Gly Lys Ile Thr His Ser Pro Gln Ala His Xaa Asn

145		150		155		160									
Pro	Gln	Glu	Lys	Arg	Leu	Ala	Ala	Asp	Asp	Pro	Glu	Val	Arg	Val	Leu
				165					170					175	
His	Ser	Ile	Gly	His	Ser	Ala	Ala	Pro	Arg	Leu	Phe	Pro	Leu	Ala	Trp
			180					185					190		
Thr	Val	Leu	Leu	Leu	Pro	Leu	Leu	Leu	Leu	Gln	Thr	Pro			
		195					200					205			

<210> 284
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 284
 Met Ile Pro Ala Val Val Leu Leu Leu Leu Leu Leu Val Glu Gln Ala
 1 5 10 15
 Ala Ala Leu Gly Glu Pro Gln Leu Cys Tyr Ile Leu Asp Ala Ile Leu
 20 25 30
 Phe Leu Tyr Gly Ile Val Leu Thr Leu Leu Tyr Cys Arg Leu Lys Ile
 35 40 45
 Gln Val Arg Lys Ala Ala Ile Thr Ser Tyr Glu Lys Ser Asp Gly Val
 50 55 60
 Tyr Thr Gly Leu Ser Thr Arg Asn Gln Glu Thr Tyr Glu Thr Leu Lys
 65 70 75 80
 His Glu Lys Pro Pro Gln
 85

<210> 285
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 285
 Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30
 Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45
 Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60

Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
 65 70 75 80
 Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
 85 90 95
 Gly Val Pro Gly Pro Met Gly Ile Pro Gly Glu Pro Gly Glu Glu Gly
 100 105 110
 Arg Tyr Lys Gln Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln Thr
 115 120 125
 His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val Leu
 130 135 140
 Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr Gly Lys Phe Thr Cys
 145 150 155 160
 Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His Ala Ser His Thr Ala
 165 170 175
 Asn Leu Cys Val Leu Leu Tyr Arg Ser Gly Val Lys Val Val Thr Phe
 180 185 190
 Cys Gly His Thr Ser Lys Thr Asn Gln Val Asn Ser Gly Gly Val Leu
 195 200 205
 Leu Arg Leu Gln Val Gly Glu Glu Val Trp Leu Ala Val Asn Asp Tyr
 210 215 220
 Tyr Asp Met Val Gly Ile Gln Gly Ser Asp Ser Val Phe Ser Gly Phe
 225 230 235 240
 Leu Leu Phe Pro Asp
 245

<210> 286
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 286
 Met Glu Lys Ile Leu Ile Leu Leu Leu Val Ala Leu Ser Val Ala Tyr
 1 5 10 15
 Ala Ala Pro Gly Pro Arg Gly Ile Ile Ile Asn Leu Glu Asn Gly Glu
 20 25 30
 Leu Cys Met Asn Ser Ala Gln Cys Lys Ser Asn Cys Cys Gln His Ser
 35 40 45
 Ser Ala Leu Gly Leu Ala Arg Cys Thr Ser Met Ala Ser Glu Asn Ser
 50 55 60
 Glu Cys Ser Val Lys Thr Leu Tyr Gly Ile Tyr Tyr Lys Cys Pro Cys

65		70		75		80									
Glu	Arg	Gly	Leu	Thr	Cys	Glu	Gly	Asp	Lys	Thr	Ile	Val	Gly	Ser	Ile
			85						90					95	
Thr	Asn	Thr	Asn	Phe	Gly	Ile	Cys	His	Asp	Ala	Gly	Arg	Ser	Lys	Gln
			100					105					110		

<210> 287
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 287

Met	Ile	Phe	Thr	Phe	Thr	Phe	Pro	Phe	Ser	Leu	Leu	Phe	Cys	Leu	Thr
1				5					10					15	
Cys	Thr	Val	Ala	Thr	Glu	Met	His	Phe	Arg	Asn	Arg	Arg	Phe	Arg	Pro
			20					25					30		
Ala	Pro	Ser	Ala	Ala	Leu	Val	Pro	Val	Ala	Leu	Asp	Phe	Pro	Gly	Pro
		35					40					45			
Phe	Pro	Val	Gly	Gly	Pro	Cys	Arg	Pro	His	Gln	Gly	Gly	Val	Gly	Val
	50					55					60				
Thr	Trp	Gln	Lys	Gly	Pro	Arg	Ser	Gly	Asp	Val	Val	Pro	Arg	Ile	Trp
65					70					75				80	
Asn	Leu	Ser	His	Pro	Ser	Cys	Ser	Trp	Thr	Glu	Phe	Phe	Pro	Phe	Ile
			85						90					95	
Arg	Arg	Xaa	Pro	Leu	Ala	Val	Ser	Ser	Arg						
			100					105							

<210> 288
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 288

Met	Thr	Glu	Ala	Thr	Phe	Asp	Thr	Leu	Arg	Leu	Trp	Leu	Ile	Ile	Leu
1				5					10					15	
Leu	Cys	Ala	Leu	Arg	Leu	Ala	Met	Met	Arg	Ser	His	Leu	Gln	Ala	Tyr

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 290

Met	Ser	Phe	Glu	Thr	Leu	Leu	Ala	Gly	Val	Pro	Ala	Ala	Ala	Leu	Ser
1				5					10					15	
Trp	Ala	Val	Pro	Gly	Leu	Ser	Pro	Ser	Trp	Phe	Thr	Leu	Gly	Pro	Gly
			20					25					30		
Ser	Pro	Trp	Val	Leu	Val	His	Pro	Gly	Ser	Trp	Ser	Cys	Ser	Pro	Ser
		35					40					45			
Leu	Leu	Gly	Ser	Trp	Cys	Xaa	Thr	Glu	Gly	Leu	Leu	Leu	Arg	Cys	Leu
	50					55					60				
Gln	Ala	Ala	Val	Ala	Thr	Cys	Pro	Arg	Cys	Pro	Thr	Ser	Asp	Leu	Leu
65					70					75					80
Leu	Gly	Gly	Arg	Ala	Val	Ser	Ser	Trp	Gln	Arg	Thr	Leu	Leu	Cys	Cys
				85					90					95	
Pro	Gly	Pro	Ser	Xaa	Ala	Ser	Arg	Val	Thr	Trp	Pro	Leu	Ala	Gly	Ala
			100					105					110		
Leu	Arg	Gly	Arg	Ala	Thr	Glu	Ala	Pro	Glu	Pro					
		115					120								

<210> 291

<211> 185

<212> PRT

<213> Homo sapiens

<400> 291

Met	Met	Met	Val	Arg	Arg	Gly	Leu	Leu	Ala	Trp	Ile	Ser	Arg	Val	Val
1				5					10					15	
Val	Leu	Leu	Val	Leu	Leu	Cys	Cys	Ala	Ile	Ser	Val	Leu	Tyr	Met	Leu
			20					25					30		
Ala	Cys	Thr	Pro	Lys	Gly	Asp	Glu	Glu	Gln	Leu	Ala	Leu	Pro	Arg	Ala
		35					40					45			
Asn	Ser	Pro	Thr	Gly	Lys	Glu	Gly	Tyr	Gln	Ala	Val	Leu	Gln	Glu	Trp
	50					55					60				
Glu	Glu	Gln	His	Arg	Asn	Tyr	Val	Ser	Ser	Leu	Lys	Arg	Gln	Ile	Ala
65					70					75					80
Gln	Leu	Lys	Glu	Glu	Leu	Gln	Glu	Arg	Ser	Glu	Gln	Leu	Arg	Asn	Gly
				85					90					95	
Gln	Tyr	Gln	Ala	Ser	Asp	Ala	Ala	Gly	Leu	Gly	Leu	Asp	Arg	Ser	Pro

100	105	110
Pro Glu Lys Thr Gln Ala Asp Leu Leu Ala Phe Leu His Ser Gln Val 115 120 125		
Asp Lys Ala Glu Val Asn Ala Gly Val Lys Leu Ala Thr Glu Tyr Ala 130 135 140		
Ala Val Pro Phe Asp Ser Phe Thr Leu Gln Lys Val Tyr Gln Leu Glu 145 150 155 160		
Thr Gly Leu Thr Arg His Pro Glu Glu Lys Pro Val Arg Lys Asp Lys 165 170 175		
Arg Asp Glu Leu Val Glu Ala Ile Glu 180 185		

<210> 292
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 292
 Met Gly Leu Val Trp His His Lys Pro Arg Leu Leu Gly Thr Val Pro
 1 5 10 15
 Leu Leu Cys Arg Ala Val Cys Leu Trp Gly Ser Leu Leu Leu Ser Cys
 20 25 30
 Phe Trp Asp Gly Pro Thr Leu Pro Ser Arg Glu Ala Pro Arg Gly Ala
 35 40 45
 Gly Glu Gln Gly Trp Gln Arg Gln Leu Trp Ala Gly Arg Ala Leu Cys
 50 55 60
 Arg Thr Cys Ala Ala Pro Gly Val Ala Gly Thr Val Trp Leu Leu Ser
 65 70 75 80
 Ala

<210> 293
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 293
 Met His Leu Arg Leu Cys His Phe Ser Ala Gln His Pro Leu Gly Ala
 1 5 10 15
 Leu Pro Arg Leu Pro Phe Leu Ala Ala Leu Leu Ala Leu Val Thr Leu
 20 25 30

Ala Tyr Phe Arg Leu Ile Ser Ser Gln Gly Leu Cys Thr Phe Ser Leu
35 40 45
Cys Leu Glu Cys Pro Phe Pro Asp Val Cys Leu Ala Tyr Ala Thr Cys
50 55 60
Thr Ser Phe Arg His Lys Arg Gly Pro His Asn Pro Glu Gln Pro Phe
65 70 75 80
Pro Thr Pro Pro Tyr His Leu Leu
85

<210> 294
<211> 210
<212> PRT
<213> Homo sapiens

<400> 294
Met Leu Val Gly Gly Ile Ile Gly Gly His Val Ser Asp Arg Phe Gly
1 5 10 15
Arg Arg Phe Ile Leu Arg Trp Cys Leu Leu Gln Leu Ala Ile Thr Asp
20 25 30
Thr Cys Ala Ala Phe Ala Pro Thr Phe Pro Val Tyr Cys Val Leu Arg
35 40 45
Phe Leu Ala Gly Phe Ser Ser Met Ile Ile Ile Ser Asn Asn Ser Leu
50 55 60
Pro Ile Thr Glu Trp Ile Arg Pro Asn Ser Lys Ala Leu Val Val Ile
65 70 75 80
Leu Ser Ser Gly Ala Leu Ser Ile Gly Gln Ile Ile Leu Gly Gly Leu
85 90 95
Ala Tyr Val Phe Arg Asp Trp Gln Thr Leu His Val Val Ala Ser Val
100 105 110
Pro Phe Phe Val Phe Phe Leu Leu Ser Arg Trp Leu Val Glu Ser Ala
115 120 125
Arg Trp Leu Ile Ile Thr Asn Lys Leu Asp Glu Gly Leu Lys Ala Leu
130 135 140
Arg Lys Val Ala Arg Thr Asn Gly Ile Lys Asn Ala Glu Glu Thr Leu
145 150 155 160
Asn Ile Glu Val Val Arg Ser Thr Met Gln Glu Glu Leu Asp Ala Ala
165 170 175
Gln Thr Lys Thr Thr Val Cys Asp Leu Phe Arg Asn Pro Ser Met Arg
180 185 190
Lys Arg Ile Cys Ile Leu Val Phe Leu Arg Lys Lys Asn Leu Lys Glu

195	200	205
Lys Ala		
210		
<210> 295		
<211> 365		
<212> PRT		
<213> Homo sapiens		
<400> 295		
Met Arg Gln Thr Leu Pro Leu Leu Leu Leu Thr Val Leu Arg Pro Ser		
1 5 10 15		
Trp Ala Asp Pro Pro Gln Glu Lys Val Pro Leu Phe Arg Val Thr Gln		
20 25 30		
Gln Gly Pro Trp Gly Ser Ser Gly Ser Asn Ala Thr Asp Ser Pro Cys		
35 40 45		
Glu Gly Leu Pro Ala Ala Asp Ala Thr Ala Leu Thr Leu Ala Asn Arg		
50 55 60		
Asn Leu Glu Arg Leu Pro Gly Cys Leu Pro Arg Thr Leu Arg Ser Leu		
65 70 75 80		
Asp Ala Ser His Asn Leu Leu Arg Ala Leu Ser Thr Ser Glu Leu Gly		
85 90 95		
His Leu Glu Gln Leu Gln Val Leu Thr Leu Arg His Asn Arg Ile Ala		
100 105 110		
Ala Leu Arg Trp Gly Pro Gly Gly Pro Ala Gly Leu His Thr Leu Asp		
115 120 125		
Leu Ser Tyr Asn Gln Leu Ala Ala Leu Pro Pro Cys Ala Gly Pro Ala		
130 135 140		
Leu Ser Ser Phe Arg Ala Leu Ala Leu Ala Gly Asn Pro Leu Arg Ala		
145 150 155 160		
Leu Gln Pro Arg Ala Phe Ala Cys Phe Pro Ala Leu Gln Leu Leu Asn		
165 170 175		
Leu Ser Cys Thr Ala Leu Gly Arg Gly Ala Gln Gly Gly Ile Ala Glu		
180 185 190		
Ala Ala Phe Ala Gly Glu Asp Gly Ala Pro Leu Val Thr Leu Glu Val		
195 200 205		
Leu Asp Leu Ser Gly Thr Phe Leu Glu Arg Val Glu Ser Gly Trp Ile		
210 215 220		
Arg Asp Leu Pro Lys Leu Thr Ser Leu Tyr Leu Arg Lys Met Pro Arg		
225 230 235 240		

Leu Thr Thr Leu Glu Gly Asp Ile Phe Lys Met Thr Pro Asn Leu Gln
 245 250 255
 Gln Leu Asp Cys Gln Asp Ser Pro Ala Leu Ala Ser Val Ala Thr His
 260 265 270
 Ile Phe Gln Asp Thr Pro His Leu Gln Val Leu Leu Phe Gln Asn Cys
 275 280 285
 Asn Leu Ser Ser Phe Pro Pro Trp Thr Leu Asp Ser Ser Gln Val Leu
 290 295 300
 Ser Ile Asn Leu Phe Gly Asn Pro Leu Thr Cys Ser Cys Asp Leu Ser
 305 310 315 320
 Trp Leu Leu Thr Asp Ala Lys Arg Thr Val Leu Ser Arg Ser Phe Gln
 325 330 335
 Arg Lys Leu Leu His Gly Gln Ala Leu Arg His Asn Glu Leu Cys Tyr
 340 345 350
 Ser Arg Asn Gln Phe Gln Trp Ile Ser Ser Ser Asn Ser
 355 360 365

<210> 296
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 296
 Leu Val Leu Ala Pro His Gly Cys Lys Glu Asn Cys Pro Lys Gln Val
 1 5 10 15
 Phe Pro Ala Glu Ala Pro Ser Trp Ser Ser Ser Lys Thr Gln Arg Ala
 20 25 30
 Leu Leu Phe Lys Lys Ser Ile Pro Val Asp Phe Gln Phe Gln Phe Leu
 35 40 45
 Arg Thr Arg Lys Asp Phe Ile Leu Gln Lys Asp Ser Ser Ser Arg Arg
 50 55 60
 Thr His Pro Pro Lys Asp Phe Ser Arg Arg Gly Lys Trp Lys Thr Arg
 65 70 75 80
 Val Thr Cys Ser Gly Leu Ile Thr Glu Leu Cys Leu Ser Leu Thr Ser
 85 90 95
 Phe Glu Leu

<210> 297

<211> 196
 <212> PRT
 <213> Homo sapiens

<400> 297
 Met Trp Phe Met Tyr Leu Leu Ser Trp Leu Ser Leu Phe Ile Gln Val
 1 5 10 15
 Ala Phe Ile Thr Leu Ala Val Ala Ala Gly Leu Tyr Tyr Leu Ala Glu
 20 25 30
 Leu Ile Glu Glu Tyr Thr Val Ala Thr Ser Arg Ile Ile Lys Tyr Met
 35 40 45
 Ile Trp Phe Ser Thr Ala Val Leu Ile Gly Leu Tyr Val Phe Glu Arg
 50 55 60
 Phe Pro Thr Ser Met Ile Gly Val Gly Leu Phe Thr Asn Leu Val Tyr
 65 70 75 80
 Phe Gly Leu Leu Gln Thr Phe Pro Phe Ile Met Leu Thr Ser Pro Asn
 85 90 95
 Phe Ile Leu Ser Cys Gly Leu Val Val Val Asn His Tyr Leu Ala Phe
 100 105 110
 Gln Phe Phe Ala Glu Glu Tyr Tyr Pro Phe Ser Glu Val Leu Ala Tyr
 115 120 125
 Phe Thr Phe Cys Leu Trp Ile Ile Pro Phe Ala Phe Phe Val Ser Leu
 130 135 140
 Ser Ala Gly Glu Asn Val Leu Pro Ser Thr Met Gln Pro Gly Asp Asp
 145 150 155 160
 Val Val Ser Asn Tyr Phe Thr Lys Gly Lys Arg Gly Lys Arg Leu Gly
 165 170 175
 Ile Leu Val Val Phe Ser Phe Ile Lys Glu Ala Ile Leu Pro Ser Arg
 180 185 190
 Gln Lys Ile Tyr
 195

<210> 298
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 298
 Met Trp Phe Met Tyr Leu Leu Ser Trp Leu Ser Leu Phe Ile Gln Val
 1 5 10 15
 Ala Phe Ile Thr Leu Ala Val Ala Ala Gly Leu Tyr Tyr Leu Ala Glu
 20 25 30

Leu Ile Glu Glu Tyr Thr Val Ala Thr Ser Arg Ile Ile Lys Tyr Met
 35 40 45
 Ile Trp Phe Ser Thr Ala Val Leu Ile Gly Leu Tyr Val Phe Glu Arg
 50 55 60
 Phe Pro Thr Ser Met Ile Gly Val Gly Leu Phe Thr Asn Leu Val Tyr
 65 70 75 80
 Phe Gly Leu Leu Gln Thr Phe Pro Phe Ile Met Leu Thr Ser Pro Asn
 85 90 95
 Phe Ile Leu Ser Cys Gly Leu Val Val Val Asn His Tyr Leu Ala Phe
 100 105 110
 Gln Phe Phe Ala Glu Glu Tyr Tyr Pro Phe Ser Glu Val Leu Ala Tyr
 115 120 125
 Phe Thr Phe Cys Leu Trp Ile Ile Pro Phe Ala Phe Phe Val Ser Leu
 130 135 140
 Ser Ala Gly Glu Asn Val Leu Pro Ser Thr Met Gln Pro Gly Asp Asp
 145 150 155 160
 Val Val Ser Asn Tyr Phe Thr Lys Gly Lys Arg Gly Lys Arg Leu Gly
 165 170 175
 Ile Leu Val Val Phe Ser Phe Ile Lys Glu Ala Ile Leu Pro Ser Arg
 180 185 190
 Gln Lys Ile Tyr
 195

<210> 299
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 299
 Met Ser Cys Phe Cys Asp Ile Ile Ser Phe His Ser Leu Ser Trp Ser
 1 5 10 15
 Leu Val Leu Leu Leu Leu Lys Pro Pro Thr Leu Ser Thr Ser Gly
 20 25 30
 Ser Leu Tyr Lys Phe Ser Leu Leu Ala Thr Phe Pro Pro Gln Ile Phe
 35 40 45
 His Ile Ile Asn Val Ser Val Tyr Met Leu Pro Pro Glu Arg Gly Leu
 50 55 60
 His Trp Leu Phe Phe Phe Asn Ser Thr Ser Thr Gln Ile Cys Ser Val
 65 70 75 80

His Pro Leu Gln

<210> 300
<211> 84
<212> PRT
<213> Homo sapiens

<400> 300
Met Ser Cys Phe Cys Asp Ile Ile Ser Phe His Ser Leu Ser Trp Ser
1 5 10 15
Leu Val Leu Leu Leu Leu Lys Pro Pro Thr Leu Ser Thr Ser Gly
20 25 30
Ser Leu Tyr Lys Phe Ser Leu Leu Ala Thr Phe Pro Pro Gln Ile Phe
35 40 45
His Ile Ile Asn Val Ser Val Tyr Met Leu Pro Pro Glu Arg Gly Leu
50 55 60
His Trp Leu Phe Phe Phe Asn Ser Thr Ser Thr Gln Ile Cys Ser Val
65 70 75 80

His Pro Leu Gln

<210> 301
<211> 84
<212> PRT
<213> Homo sapiens

<400> 301
Met Ser Cys Phe Cys Asp Ile Ile Ser Phe His Ser Leu Ser Trp Ser
1 5 10 15
Leu Val Leu Leu Leu Leu Lys Pro Pro Thr Leu Ser Thr Ser Gly
20 25 30
Ser Leu Tyr Lys Phe Ser Leu Leu Ala Thr Phe Pro Pro Gln Ile Phe
35 40 45
His Ile Ile Asn Val Ser Val Tyr Met Leu Pro Pro Glu Arg Gly Leu
50 55 60
His Trp Leu Phe Phe Phe Asn Ser Thr Ser Thr Gln Ile Cys Ser Val
65 70 75 80

His Pro Leu Gln

<210> 302
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 302
 Leu Phe Gln Phe Cys Glu Ile Leu Phe Phe Phe Trp Ile Leu Ala Phe
 1 5 10 15
 Phe Pro Pro Pro Xaa Pro Gln Lys Ile Thr Pro Leu Gly Pro Lys Lys
 20 25 30
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 35 40 45

<210> 303
 <211> 400
 <212> PRT
 <213> Homo sapiens

<400> 303
 Met Ala Trp Arg Arg Arg Glu Ala Ser Val Gly Ala Arg Gly Val Leu
 1 5 10 15
 Ala Leu Ala Leu Leu Ala Leu Ala Leu Cys Val Pro Gly Ala Arg Gly
 20 25 30
 Arg Ala Leu Glu Trp Phe Ser Ala Val Val Asn Ile Glu Tyr Val Asp
 35 40 45
 Pro Gln Thr Asn Leu Thr Val Trp Ser Val Ser Glu Ser Gly Arg Phe
 50 55 60
 Gly Asp Ser Ser Pro Lys Glu Gly Ala His Gly Leu Val Gly Val Pro
 65 70 75 80
 Trp Ala Pro Gly Gly Asp Leu Glu Gly Cys Ala Pro Asp Thr Arg Phe
 85 90 95
 Phe Val Pro Glu Pro Gly Gly Arg Gly Ala Ala Pro Trp Val Ala Leu
 100 105 110
 Val Ala Arg Gly Gly Cys Thr Phe Lys Asp Lys Val Leu Val Ala Ala
 115 120 125
 Arg Arg Asn Ala Ser Ala Val Val Leu Tyr Asn Glu Glu Arg Tyr Gly
 130 135 140
 Asn Ile Thr Leu Pro Met Ser His Ala Gly Thr Gly Asn Ile Val Val
 145 150 155 160

Ile	Met	Ile	Ser	Tyr	Pro	Lys	Gly	Arg	Glu	Ile	Leu	Glu	Leu	Val	Gln	165	170	175
Lys	Gly	Ile	Pro	Val	Thr	Met	Thr	Ile	Gly	Val	Gly	Thr	Arg	His	Val	180	185	190
Gln	Glu	Phe	Ile	Ser	Gly	Gln	Ser	Val	Val	Phe	Val	Ala	Ile	Ala	Phe	195	200	205
Ile	Thr	Met	Met	Ile	Ile	Ser	Leu	Ala	Trp	Leu	Ile	Phe	Tyr	Tyr	Ile	210	215	220
Gln	Arg	Phe	Leu	Tyr	Thr	Gly	Ser	Gln	Ile	Gly	Ser	Gln	Ser	His	Arg	225	230	235
Lys	Glu	Thr	Lys	Lys	Val	Ile	Gly	Gln	Leu	Leu	Leu	His	Thr	Val	Lys	245	250	255
His	Gly	Glu	Lys	Gly	Ile	Asp	Val	Asp	Ala	Glu	Asn	Cys	Ala	Val	Cys	260	265	270
Ile	Glu	Asn	Phe	Lys	Val	Lys	Asp	Ile	Ile	Arg	Ile	Leu	Pro	Cys	Lys	275	280	285
His	Ile	Phe	His	Arg	Ile	Cys	Ile	Asp	Pro	Trp	Leu	Leu	Asp	His	Arg	290	295	300
Thr	Cys	Pro	Met	Cys	Lys	Leu	Asp	Val	Ile	Lys	Ala	Leu	Gly	Tyr	Trp	305	310	315
Gly	Glu	Pro	Gly	Asp	Val	Gln	Glu	Met	Pro	Ala	Pro	Glu	Ser	Pro	Pro	325	330	335
Gly	Arg	Asp	Pro	Ala	Ala	Asn	Leu	Ser	Leu	Ala	Leu	Pro	Asp	Asp	Asp	340	345	350
Gly	Ser	Asp	Glu	Ser	Ser	Pro	Pro	Ser	Ala	Ser	Pro	Ala	Glu	Ser	Glu	355	360	365
Pro	Gln	Cys	Asp	Pro	Ser	Phe	Lys	Gly	Asp	Ala	Gly	Glu	Asn	Thr	Ala	370	375	380
Leu	Leu	Glu	Ala	Gly	Arg	Ser	Asp	Ser	Arg	His	Gly	Gly	Pro	Ile	Ser	385	390	395

<210> 304
 <211> 400
 <212> PRT
 <213> Homo sapiens
 <400> 304

Met	Ala	Trp	Arg	Arg	Arg	Glu	Ala	Ser	Val	Gly	Ala	Arg	Gly	Val	Leu	1	5	10	15
Ala	Leu	Ala	Leu	Leu	Ala	Leu	Ala	Leu	Cys	Val	Pro	Gly	Ala	Arg	Gly	20	25	30	
Arg	Ala	Leu	Glu	Trp	Phe	Ser	Ala	Val	Val	Asn	Ile	Glu	Tyr	Val	Asp	35	40	45	
Pro	Gln	Thr	Asn	Leu	Thr	Val	Trp	Ser	Val	Ser	Glu	Ser	Gly	Arg	Phe	50	55	60	
Gly	Asp	Ser	Ser	Pro	Lys	Glu	Gly	Ala	His	Gly	Leu	Val	Gly	Val	Pro	65	70	75	80
Trp	Ala	Pro	Gly	Gly	Asp	Leu	Glu	Gly	Cys	Ala	Pro	Asp	Thr	Arg	Phe	85	90	95	
Phe	Val	Pro	Glu	Pro	Gly	Gly	Arg	Gly	Ala	Ala	Pro	Trp	Val	Ala	Leu	100	105	110	
Val	Ala	Arg	Gly	Gly	Cys	Thr	Phe	Lys	Asp	Lys	Val	Leu	Val	Ala	Ala	115	120	125	
Arg	Arg	Asn	Ala	Ser	Ala	Val	Val	Leu	Tyr	Asn	Glu	Glu	Arg	Tyr	Gly	130	135	140	
Asn	Ile	Thr	Leu	Pro	Met	Ser	His	Ala	Gly	Thr	Gly	Asn	Ile	Val	Val	145	150	155	160
Ile	Met	Ile	Ser	Tyr	Pro	Lys	Gly	Arg	Glu	Ile	Leu	Glu	Leu	Val	Gln	165	170	175	
Lys	Gly	Ile	Pro	Val	Thr	Met	Thr	Ile	Gly	Val	Gly	Thr	Arg	His	Val	180	185	190	
Gln	Glu	Phe	Ile	Ser	Gly	Gln	Ser	Val	Val	Phe	Val	Ala	Ile	Ala	Phe	195	200	205	
Ile	Thr	Met	Met	Ile	Ile	Ser	Leu	Ala	Trp	Leu	Ile	Phe	Tyr	Tyr	Ile	210	215	220	
Gln	Arg	Phe	Leu	Tyr	Thr	Gly	Ser	Gln	Ile	Gly	Ser	Gln	Ser	His	Arg	225	230	235	240
Lys	Glu	Thr	Lys	Lys	Val	Ile	Gly	Gln	Leu	Leu	Leu	His	Thr	Val	Lys	245	250	255	
His	Gly	Glu	Lys	Gly	Ile	Asp	Val	Asp	Ala	Glu	Asn	Cys	Ala	Val	Cys	260	265	270	
Ile	Glu	Asn	Phe	Lys	Val	Lys	Asp	Ile	Ile	Arg	Ile	Leu	Pro	Cys	Lys	275	280	285	
His	Ile	Phe	His	Arg	Ile	Cys	Ile	Asp	Pro	Trp	Leu	Leu	Asp	His	Arg	290	295	300	

Thr	Cys	Pro	Met	Cys	Lys	Leu	Asp	Val	Ile	Lys	Ala	Leu	Gly	Tyr	Trp
305					310					315					320
Gly	Glu	Pro	Gly	Asp	Val	Gln	Glu	Met	Pro	Ala	Pro	Glu	Ser	Pro	Pro
				325					330					335	
Gly	Arg	Asp	Pro	Ala	Ala	Asn	Leu	Ser	Leu	Ala	Leu	Pro	Asp	Asp	Asp
			340					345					350		
Gly	Ser	Asp	Glu	Ser	Ser	Pro	Pro	Ser	Ala	Ser	Pro	Ala	Glu	Ser	Glu
		355					360					365			
Pro	Gln	Cys	Asp	Pro	Ser	Phe	Lys	Gly	Asp	Ala	Gly	Glu	Asn	Thr	Ala
	370					375					380				
Leu	Leu	Glu	Ala	Gly	Arg	Ser	Asp	Ser	Arg	His	Gly	Gly	Pro	Ile	Ser
385					390					395					400

<210> 305
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 305															
Met	Thr	Ser	Phe	Leu	Lys	Pro	Ser	Pro	Pro	Met	Ala	Ser	Met	Ser	Ser
1				5					10				15		
Pro	Leu	Trp	Val	Cys	Leu	Phe	Thr	Ser	Gly	Cys	Ser	Leu	Ser	Val	Ser
			20					25					30		
Ser	Met	Gly	Ser	Ser	Ser	Ser	Cys	Ser	His	Thr	Asn	His	Leu	Ala	Ala
		35					40					45			
Ser	Arg	Thr	Tyr	His	Gly	Leu	Cys	His	Met	Leu	Phe	Pro	Leu	Phe	Arg
	50					55					60				
Met	Val	Ser	Ser	Pro	Ser	Leu	Cys	Leu	Ala	Asn	Ser	Ser	Ser	Ser	Phe
65					70					75					80
Ser	Ser	Pro	Leu	Ile	Leu	Asn	Val	Phe	Arg	Glu	Ala	Ser	Leu	Asp	Leu
				85					90					95	
Leu	Val	Arg	Ser	His	Phe	Leu	Val	Ile	Tyr	Ser	Phe	Ile	Ala	Leu	Ser
		100						105					110		
Leu	Gly	Ala	Thr	Ser	Pro	Ser	Leu	Val	Trp	Leu	Leu	Glu			
	115						120					125			

<210> 306
 <211> 125

<212> PRT
<213> Homo sapiens

<400> 306

Met	Thr	Ser	Phe	Leu	Lys	Pro	Ser	Pro	Pro	Met	Ala	Ser	Met	Ser	Ser
1				5					10					15	
Pro	Leu	Trp	Val	Cys	Leu	Phe	Thr	Ser	Gly	Cys	Ser	Leu	Ser	Val	Ser
			20					25					30		
Ser	Met	Gly	Ser	Ser	Ser	Ser	Cys	Ser	His	Thr	Asn	His	Leu	Ala	Ala
		35					40					45			
Ser	Arg	Thr	Tyr	His	Gly	Leu	Cys	His	Met	Leu	Phe	Pro	Leu	Phe	Arg
	50					55					60				
Met	Val	Ser	Ser	Pro	Ser	Leu	Cys	Leu	Ala	Asn	Ser	Ser	Ser	Ser	Phe
65					70					75					80
Ser	Ser	Pro	Leu	Ile	Leu	Asn	Val	Phe	Arg	Glu	Ala	Ser	Leu	Asp	Leu
				85					90					95	
Leu	Val	Arg	Ser	His	Phe	Leu	Val	Ile	Tyr	Ser	Phe	Ile	Ala	Leu	Ser
		100						105					110		
Leu	Gly	Ala	Thr	Ser	Pro	Ser	Leu	Val	Trp	Leu	Leu	Glu			
	115						120					125			

<210> 307
<211> 65
<212> PRT
<213> Homo sapiens

<400> 307

Pro	Leu	Phe	Arg	Met	Val	Ser	Ser	Pro	Ser	Leu	Cys	Leu	Ala	Asn	Ser
1				5					10					15	
Ser	Ser	Ser	Phe	Ser	Ser	Pro	Leu	Ile	Leu	Asn	Val	Phe	Arg	Glu	Ala
			20					25					30		
Ser	Leu	Asp	Leu	Leu	Val	Arg	Ser	His	Phe	Leu	Val	Ile	Tyr	Ser	Phe
		35					40					45			
Ile	Ala	Leu	Ser	Leu	Gly	Ala	Thr	Ser	Pro	Ser	Leu	Val	Trp	Leu	Leu
	50					55					60				
Glu															
65															

<210> 308
<211> 294
<212> PRT
<213> Homo sapiens

<400> 308

Met Arg Pro Arg Ala Pro Ala Cys Ala Ala Ala Ala Leu Gly Leu Cys
1 5 10 15
Ser Leu Leu Leu Leu Leu Ala Pro Gly His Ala Cys Pro Ala Gly Cys
20 25 30
Ala Cys Thr Asp Pro His Thr Val Asp Cys Arg Asp Arg Gly Leu Pro
35 40 45
Ser Val Pro Asp Pro Phe Pro Leu Asp Val Arg Lys Leu Leu Val Ala
50 55 60
Gly Asn Arg Ile Gln Arg Ile Pro Glu Asp Phe Phe Ile Phe Tyr Gly
65 70 75 80
Asp Leu Val Tyr Leu Asp Phe Arg Asn Asn Ser Leu Arg Ser Leu Glu
85 90 95
Glu Gly Thr Phe Ser Gly Ser Ala Lys Leu Val Phe Leu Asp Leu Ser
100 105 110
Tyr Asn Asn Leu Thr Gln Leu Gly Ala Gly Ala Phe Arg Ser Ala Gly
115 120 125
Arg Leu Val Lys Leu Ser Leu Ala Asn Asn Asn Leu Val Gly Val His
130 135 140
Glu Asp Ala Phe Glu Thr Leu Glu Ser Leu Gln Val Leu Glu Leu Asn
145 150 155 160
Asp Asn Asn Leu Arg Ser Leu Ser Val Ala Ala Leu Ala Ala Leu Pro
165 170 175
Ala Leu Arg Ser Leu Arg Leu Asp Gly Asn Pro Trp Leu Cys Asp Cys
180 185 190
Asp Phe Ala His Leu Phe Ser Trp Ile Gln Glu Asn Ala Ser Lys Leu
195 200 205
Pro Lys Gly Leu Asp Glu Ile Gln Cys Ser Leu Pro Met Glu Ser Arg
210 215 220
Arg Ile Ser Leu Arg Glu Leu Ser Glu Ala Ser Phe Ser Glu Cys Arg
225 230 235 240
Phe Ser Leu Ser Leu Thr Asp Leu Cys Ile Ile Ile Phe Ser Gly Val
245 250 255
Ala Val Ser Ile Ala Ala Ile Ile Ser Ser Phe Phe Leu Ala Thr Val
260 265 270
Val Gln Cys Leu Gln Arg Cys Ala Pro Asn Lys Asp Ala Glu Asp Glu
275 280 285
Asp Glu Asp Glu Asp Asp

290

<210> 309
 <211> 283
 <212> PRT
 <213> Homo sapiens

<400> 309
 Met Val Ser Ala Ala Ala Pro Ser Leu Leu Ile Leu Leu Leu Leu Leu
 1 5 10 15
 Leu Gly Ser Val Pro Ala Thr Asp Ala Arg Ser Val Pro Leu Lys Ala
 20 25 30
 Thr Phe Leu Glu Asp Val Ala Gly Ser Gly Glu Ala Glu Gly Ser Ser
 35 40 45
 Ala Ser Ser Pro Ser Leu Pro Pro Pro Trp Thr Pro Ala Leu Ser Pro
 50 55 60
 Thr Ser Met Gly Pro Gln Pro Thr Thr Leu Gly Gly Pro Ser Pro Pro
 65 70 75 80
 Thr Asn Phe Leu Asp Gly Ile Val Asp Phe Phe Arg Gln Tyr Val Met
 85 90 95
 Leu Ile Ala Val Val Gly Ser Leu Ala Phe Leu Leu Met Phe Ile Val
 100 105 110
 Cys Ala Ala Val Ile Thr Arg Gln Lys Gln Lys Ala Ser Ala Tyr Tyr
 115 120 125
 Pro Ser Ser Phe Pro Lys Lys Lys Tyr Val Asp Gln Ser Asp Arg Ala
 130 135 140
 Gly Gly Pro Arg Ala Phe Ser Glu Val Pro Asp Arg Ala Pro Asp Ser
 145 150 155 160
 Arg Pro Glu Glu Ala Leu Asp Ser Ser Arg Gln Leu Gln Ala Asp Ile
 165 170 175
 Leu Ala Ala Thr Gln Asn Leu Lys Ser Pro Thr Arg Ala Ala Leu Gly
 180 185 190
 Gly Gly Asp Gly Ala Arg Met Val Glu Gly Arg Gly Ala Glu Glu Glu
 195 200 205
 Glu Lys Gly Ser Gln Glu Gly Asp Gln Glu Val Gln Gly His Gly Val
 210 215 220
 Pro Val Glu Thr Pro Glu Ala Gln Glu Glu Pro Cys Ser Gly Val Leu
 225 230 235 240
 Glu Gly Ala Val Val Ala Gly Glu Gly Gln Gly Glu Leu Glu Gly Ser
 245 250 255

Leu Leu Leu Ala Gln Glu Ala Gln Gly Pro Val Gly Pro Pro Glu Ser
260 265 270

Pro Cys Ala Cys Ser Ser Val His Pro Ser Val
275 280

<210> 310
<211> 672
<212> PRT
<213> Homo sapiens

<400> 310
Met Gln Lys Ala Ser Val Leu Leu Phe Leu Ala Trp Val Cys Phe Leu
1 5 10 15

Phe Tyr Ala Gly Ile Ala Leu Phe Thr Ser Gly Phe Leu Leu Thr Arg
20 25 30

Leu Glu Leu Thr Asn His Ser Ser Cys Gln Glu Pro Pro Gly Pro Gly
35 40 45

Ser Leu Pro Trp Gly Ser Gln Gly Lys Pro Gly Ala Cys Trp Met Ala
50 55 60

Ser Arg Phe Ser Arg Val Val Leu Val Leu Ile Asp Ala Leu Arg Phe
65 70 75 80

Asp Phe Ala Gln Pro Gln His Ser His Val Pro Arg Glu Pro Pro Val
85 90 95

Ser Leu Pro Phe Leu Gly Lys Leu Ser Ser Leu Gln Arg Ile Leu Glu
100 105 110

Ile Gln Pro His His Ala Arg Leu Tyr Arg Ser Gln Val Asp Pro Pro
115 120 125

Thr Thr Thr Met Gln Arg Leu Lys Ala Leu Thr Thr Gly Ser Leu Pro
130 135 140

Thr Phe Ile Asp Ala Gly Ser Asn Phe Ala Ser His Ala Ile Val Glu
145 150 155 160

Asp Asn Leu Ile Lys Gln Leu Thr Ser Ala Gly Arg Arg Val Val Phe
165 170 175

Met Gly Asp Asp Thr Trp Lys Asp Leu Phe Pro Gly Ala Phe Ser Lys
180 185 190

Ala Phe Phe Phe Pro Ser Phe Asn Val Arg Asp Leu Asp Thr Val Asp
195 200 205

Asn Gly Ile Leu Glu His Leu Tyr Pro Thr Met Asp Ser Gly Glu Trp
210 215 220

Asp	Val	Leu	Ile	Ala	His	Phe	Leu	Gly	Val	Asp	His	Cys	Gly	His	Lys	225	230	235	240
His	Gly	Pro	His	His	Pro	Glu	Met	Ala	Lys	Lys	Leu	Ser	Gln	Met	Asp	245	250		255
Gln	Val	Ile	Gln	Gly	Leu	Val	Glu	Arg	Leu	Glu	Asn	Asp	Thr	Leu	Leu	260	265		270
Val	Val	Ala	Gly	Asp	His	Gly	Met	Thr	Thr	Asn	Gly	Asp	His	Gly	Gly	275	280		285
Asp	Ser	Glu	Leu	Glu	Val	Ser	Ala	Ala	Leu	Phe	Leu	Tyr	Ser	Pro	Thr	290	295	300	
Ala	Val	Phe	Pro	Ser	Thr	Pro	Pro	Glu	Glu	Pro	Glu	Val	Ile	Pro	Gln	305	310	315	320
Val	Ser	Leu	Val	Pro	Thr	Leu	Ala	Leu	Leu	Leu	Gly	Leu	Pro	Ile	Pro	325	330		335
Phe	Gly	Asn	Ile	Gly	Glu	Val	Met	Ala	Glu	Leu	Phe	Ser	Gly	Gly	Glu	340	345		350
Asp	Ser	Gln	Pro	His	Ser	Ser	Ala	Leu	Ala	Gln	Ala	Ser	Ala	Leu	His	355	360	365	
Leu	Asn	Ala	Gln	Gln	Val	Ser	Arg	Phe	Leu	His	Thr	Tyr	Ser	Ala	Ala	370	375	380	
Thr	Gln	Asp	Leu	Gln	Ala	Lys	Glu	Leu	His	Gln	Leu	Gln	Asn	Leu	Phe	385	390	395	400
Ser	Lys	Ala	Ser	Ala	Asp	Tyr	Gln	Trp	Leu	Leu	Gln	Ser	Pro	Lys	Gly	405	410		415
Ala	Glu	Ala	Thr	Leu	Pro	Thr	Val	Ile	Ala	Glu	Leu	Gln	Gln	Phe	Leu	420	425		430
Arg	Gly	Ala	Arg	Ala	Met	Cys	Ile	Glu	Ser	Trp	Ala	Arg	Phe	Ser	Leu	435	440	445	
Ser	Phe	Leu	Leu	Leu	His	Leu	Leu	Ala	Ala	Gly	Ile	Pro	Val	Thr	Thr	450	455	460	
Pro	Gly	Pro	Phe	Thr	Val	Pro	Trp	Gln	Ala	Val	Ser	Ala	Trp	Ala	Leu	465	470	475	480
Met	Ala	Thr	Gln	Thr	Phe	Tyr	Ser	Thr	Gly	His	Gln	Pro	Val	Phe	Pro	485	490		495
Ala	Ile	His	Trp	His	Ala	Ala	Phe	Val	Gly	Phe	Pro	Glu	Gly	His	Gly	500	505		510
Ser	Cys	Thr	Trp	Leu	Pro	Ala	Leu	Leu	Val	Gly	Ala	Asn	Thr	Phe	Ala	515	520	525	

Ser His Leu Leu Phe Ala Val Gly Cys Pro Leu Leu Leu Leu Trp Pro
 530 535 540
 Phe Leu Cys Glu Ser Gln Gly Leu Arg Lys Arg Gln Gln Pro Pro Gly
 545 550 555 560
 Asn Glu Ala Asp Ala Arg Val Arg Pro Glu Glu Glu Glu Glu Pro Leu
 565 570 575
 Met Glu Met Arg Leu Arg Asp Ala Pro Gln His Phe Tyr Ala Ala Leu
 580 585 590
 Leu Gln Leu Gly Leu Lys Tyr Leu Phe Ile Leu Gly Ile Gln Ile Leu
 595 600 605
 Ala Cys Ala Leu Ala Ala Ser Ile Leu Arg Arg His Leu Met Val Trp
 610 615 620
 Lys Val Phe Ala Pro Lys Phe Ile Phe Glu Ala Val Gly Phe Ile Val
 625 630 635 640
 Ser Ser Val Gly Leu Leu Leu Gly Ile Ala Leu Val Met Arg Val Asp
 645 650 655
 Gly Ala Val Ser Ser Trp Phe Arg Gln Leu Phe Leu Ala Gln Gln Arg
 660 665 670

<210> 311
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 311
 Trp Leu Ser Phe Leu Ala Ile Ser Gly Trp
 1 5 10

<210> 312
 <211> 160
 <212> PRT
 <213> Homo sapiens

<400> 312
 Met Glu Gly Ala Glu Leu Ala Gly Lys Ile Leu Ser Thr Trp Leu Thr
 1 5 10 15
 Leu Val Leu Gly Phe Ile Leu Leu Pro Ser Val Phe Gly Val Ser Leu
 20 25 30
 Gly Ile Ser Glu Ile Tyr Met Lys Ile Leu Val Lys Thr Leu Glu Trp
 35 40 45

Ala Thr Ile Arg Ile Glu Lys Gly Thr Pro Lys Glu Ser Ile Leu Lys
 50 55 60
 Asn Ser Ala Ser Val Gly Ile Ile Gln Arg Asp Glu Ser Pro Met Glu
 65 70 75 80
 Lys Gly Leu Ser Gly Leu Arg Gly Arg Asp Phe Glu Leu Ser Asp Val
 85 90 95
 Phe Tyr Phe Ser Lys Lys Gly Leu Glu Ala Ile Val Glu Asp Glu Val
 100 105 110
 Thr Gln Arg Phe Ser Ser Glu Glu Leu Val Ser Trp Asn Leu Leu Thr
 115 120 125
 Arg Thr Asn Val Asn Phe Gln Tyr Ile Ser Leu Arg Leu Thr Met Val
 130 135 140
 Trp Val Leu Gly Val Ile Val Arg Tyr Cys Val Leu Leu Pro Leu Arg
 145 150 155 160

<210> 313
 <211> 160
 <212> PRT
 <213> Homo sapiens

<400> 313
 Met Glu Gly Ala Glu Leu Ala Gly Lys Ile Leu Ser Thr Trp Leu Thr
 1 5 10 15
 Leu Val Leu Gly Phe Ile Leu Leu Pro Ser Val Phe Gly Val Ser Leu
 20 25 30
 Gly Ile Ser Glu Ile Tyr Met Lys Ile Leu Val Lys Thr Leu Glu Trp
 35 40 45
 Ala Thr Ile Arg Ile Glu Lys Gly Thr Pro Lys Glu Ser Ile Leu Lys
 50 55 60
 Asn Ser Ala Ser Val Gly Ile Ile Gln Arg Asp Glu Ser Pro Met Glu
 65 70 75 80
 Lys Gly Leu Ser Gly Leu Arg Gly Arg Asp Phe Glu Leu Ser Asp Val
 85 90 95
 Phe Tyr Phe Ser Lys Lys Gly Leu Glu Ala Ile Val Glu Asp Glu Val
 100 105 110
 Thr Gln Arg Phe Ser Ser Glu Glu Leu Val Ser Trp Asn Leu Leu Thr
 115 120 125

Arg Thr Asn Val Asn Phe Gln Tyr Ile Ser Leu Arg Leu Thr Met Val
 130 135 140

Trp Val Leu Gly Val Ile Val Arg Tyr Cys Val Leu Leu Pro Leu Arg
 145 150 155 160

<210> 314
 <211> 215
 <212> PRT
 <213> Homo sapiens

<400> 314
 Met Gly Leu Glu Lys Pro Gln Ser Lys Leu Glu Gly Gly Met His Pro
 1 5 10 15

Gln Leu Ile Pro Ser Val Ile Ala Val Val Phe Ile Leu Leu Leu Ser
 20 25 30

Val Cys Phe Ile Ala Ser Cys Leu Val Thr His His Asn Phe Ser Arg
 35 40 45

Cys Lys Arg Gly Thr Gly Val His Lys Leu Glu His His Ala Lys Leu
 50 55 60

Lys Cys Ile Lys Glu Lys Ser Glu Leu Lys Ser Ala Glu Gly Ser Thr
 65 70 75 80

Trp Asn Cys Cys Pro Ile Asp Trp Arg Ala Phe Gln Ser Asn Cys Tyr
 85 90 95

Phe Pro Leu Thr Asp Asn Lys Thr Trp Ala Glu Ser Glu Arg Asn Cys
 100 105 110

Ser Gly Met Gly Ala His Leu Met Thr Ile Ser Thr Glu Ala Glu Gln
 115 120 125

Asn Phe Ile Ile Gln Phe Leu Asp Arg Arg Leu Ser Tyr Phe Leu Gly
 130 135 140

Leu Arg Asp Glu Asn Ala Lys Gly Gln Trp Arg Trp Val Asp Gln Thr
 145 150 155 160

Pro Phe Asn Pro Arg Arg Val Phe Trp His Lys Asn Glu Pro Asp Asn
 165 170 175

Ser Gln Gly Glu Asn Cys Val Val Leu Val Tyr Asn Gln Asp Lys Trp
 180 185 190

Ala Trp Asn Asp Val Pro Cys Asn Phe Glu Ala Ser Arg Ile Cys Lys
 195 200 205

Ile Pro Gly Thr Thr Leu Asn

210

215

<210> 315
 <211> 215
 <212> PRT
 <213> Homo sapiens

<400> 315
 Met Gly Leu Glu Lys Pro Gln Ser Lys Leu Glu Gly Gly Met His Pro
 1 5 10 15
 Gln Leu Ile Pro Ser Val Ile Ala Val Val Phe Ile Leu Leu Leu Ser
 20 25 30
 Val Cys Phe Ile Ala Ser Cys Leu Val Thr His His Asn Phe Ser Arg
 35 40 45
 Cys Lys Arg Gly Thr Gly Val His Lys Leu Glu His His Ala Lys Leu
 50 55 60
 Lys Cys Ile Lys Glu Lys Ser Glu Leu Lys Ser Ala Glu Gly Ser Thr
 65 70 75 80
 Trp Asn Cys Cys Pro Ile Asp Trp Arg Ala Phe Gln Ser Asn Cys Tyr
 85 90 95
 Phe Pro Leu Thr Asp Asn Lys Thr Trp Ala Glu Ser Glu Arg Asn Cys
 100 105 110
 Ser Gly Met Gly Ala His Leu Met Thr Ile Ser Thr Glu Ala Glu Gln
 115 120 125
 Asn Phe Ile Ile Gln Phe Leu Asp Arg Arg Leu Ser Tyr Phe Leu Gly
 130 135 140
 Leu Arg Asp Glu Asn Ala Lys Gly Gln Trp Arg Trp Val Asp Gln Thr
 145 150 155 160
 Pro Phe Asn Pro Arg Arg Val Phe Trp His Lys Asn Glu Pro Asp Asn
 165 170 175
 Ser Gln Gly Glu Asn Cys Val Val Leu Val Tyr Asn Gln Asp Lys Trp
 180 185 190
 Ala Trp Asn Asp Val Pro Cys Asn Phe Glu Ala Ser Arg Ile Cys Lys
 195 200 205
 Ile Pro Gly Thr Thr Leu Asn
 210 215

<210> 316
 <211> 215
 <212> PRT

<213> Homo sapiens

<400> 316

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Met Gly Leu Glu Lys Pro Gln Ser Lys Leu Glu Gly Gly Met His Pro
 1          5          10          15
Gln Leu Ile Pro Ser Val Ile Ala Val Val Phe Ile Leu Leu Leu Ser
          20          25          30
Val Cys Phe Ile Ala Ser Cys Leu Val Thr His His Asn Phe Ser Arg
          35          40          45
Cys Lys Arg Gly Thr Gly Val His Lys Leu Glu His His Ala Lys Leu
          50          55          60
Lys Cys Ile Lys Glu Lys Ser Glu Leu Lys Ser Ala Glu Gly Ser Thr
          65          70          75          80
Trp Asn Cys Cys Pro Ile Asp Trp Arg Ala Phe Gln Ser Asn Cys Tyr
          85          90          95
Phe Pro Leu Thr Asp Asn Lys Thr Trp Ala Glu Ser Glu Arg Asn Cys
          100          105          110
Ser Gly Met Gly Ala His Leu Met Thr Ile Ser Thr Glu Ala Glu Gln
          115          120          125
Asn Phe Ile Ile Gln Phe Leu Asp Arg Arg Leu Ser Tyr Phe Leu Gly
          130          135          140
Leu Arg Asp Glu Asn Ala Lys Gly Gln Trp Arg Trp Val Asp Gln Thr
          145          150          155          160
Pro Phe Asn Pro Arg Arg Val Phe Trp His Lys Asn Glu Pro Asp Asn
          165          170          175
Ser Gln Gly Glu Asn Cys Val Val Leu Val Tyr Asn Gln Asp Lys Trp
          180          185          190
Ala Trp Asn Asp Val Pro Cys Asn Phe Glu Ala Ser Arg Ile Cys Lys
          195          200          205
Ile Pro Gly Thr Thr Leu Asn
          210          215
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<210> 317

<211> 138

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids


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<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 317
Met Lys Leu Trp Val Ser Ala Leu Leu Met Ala Trp Phe Gly Val Leu
 1             5             10             15

Ser Cys Val Gln Ala Glu Phe Phe Thr Ser Ile Gly His Met Thr Asp
          20             25             30

Leu Ile Tyr Ala Glu Lys Glu Leu Val Gln Ser Leu Lys Glu Tyr Ile
      35             40             45

Leu Val Glu Glu Ala Lys Leu Ser Lys Ile Lys Ser Trp Ala Asn Lys
      50             55             60

Met Glu Ala Leu Thr Ser Lys Ser Ala Ala Asp Ala Glu Gly Tyr Leu
      65             70             75             80

Ala His Pro Val Asn Ala Tyr Xaa Leu Val Lys Arg Leu Asn Thr Asp
          85             90             95

Trp Pro Ala Leu Glu Asp Leu Ala Cys Arg Thr Gln Leu Gln Val Leu
      100             105             110

Ser Pro Thr Xaa Leu Xaa Xaa Gly Lys Phe Phe Pro Thr Asp Glu Gly
      115             120             125

Xaa Asp Arg Ser Trp Pro Lys Pro Leu Met
      130             135


<210> 318
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

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<222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 318
 Asn Phe Phe Pro Phe Phe Pro Phe Phe Phe Phe Gly Xaa Phe Phe Phe
 1 5 10 15

Leu Gly Phe Pro Gln Lys Lys Ile Ser Pro Pro Gln Lys Lys Lys Lys
 20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys
 50 55

<210> 319
 <211> 230
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (150)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (194)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (227)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 319
 Met Ser Phe Leu Cys Ser Trp Leu Leu Phe Ala Met Ala Trp Trp Leu
 1 5 10 15

Ile Ala Phe Ala His Gly Asp Leu Ala Pro Ser Glu Gly Thr Ala Glu
 20 25 30

Pro Cys Val Thr Ser Ile His Ser Phe Ser Ser Ala Phe Leu Phe Ser
 35 40 45

Ile Glu Val Gln Val Thr Ile Gly Phe Gly Gly Arg Met Val Thr Glu
 50 55 60

Glu Cys Pro Leu Ala Ile Leu Ile Leu Ile Val Gln Asn Ile Val Gly
 65 70 75 80

Leu Met Ile Asn Ala Ile Met Leu Gly Cys Ile Phe Met Lys Thr Ala
 85 90 95

Gln Ala His Arg Arg Ala Glu Thr Leu Ile Phe Ser Lys His Ala Val
 100 105 110
 Ile Ala Leu Arg His Gly Arg Leu Cys Phe Met Leu Arg Val Gly Asp
 115 120 125
 Leu Arg Lys Ser Met Ile Ile Ser Ala Thr Ile His Met Gln Val Val
 130 135 140
 Arg Lys Thr Thr Ser Xaa Glu Gly Glu Val Val Pro Leu His Gln Val
 145 150 155 160
 Asp Ile Pro Met Glu Asn Gly Val Gly Gly Asn Ser Ile Phe Leu Val
 165 170 175
 Ala Pro Leu Ile Ile Tyr His Val Ile Asp Ala Asn Ser Pro Leu Tyr
 180 185 190
 Asp Xaa Ala Pro Ser Asp Leu His His His Gln Asp Leu Glu Ile Ile
 195 200 205
 Val Ile Leu Glu Gly Val Val Glu Thr Thr Gly Ile Thr Thr Gln Ala
 210 215 220
 Arg Pro Xaa Thr Trp Arg
 225 230

<210> 320
 <211> 145
 <212> PRT
 <213> Homo sapiens

<400> 320
 Gly Pro Gln Pro Thr Gly Ser Ser Asp Pro Arg Leu Ser Pro Arg Ala
 1 5 10 15
 Pro Ala Gln Ala Gln Arg Ala His Gly Gln Gly Gln Ala Gln Val Gln
 20 25 30
 His Leu Ser Arg Phe Pro Val Leu Ser His Gly Leu Ser Gly Pro Pro
 35 40 45
 His Ala Cys Val His Thr Asp His Val Val Cys Ser Pro Ala Arg Ala
 50 55 60
 Trp Cys Glu Ala Gly Pro Ala Ser Ala Gln Pro Pro Pro Ala Ala His
 65 70 75 80
 Pro Gly Cys Tyr Lys Ala Leu Val Thr Met Leu Phe Leu Ala Ser Ala
 85 90 95
 Gly Thr Cys Thr Gly Leu Phe Leu Ser Leu Leu Leu Pro Thr Gln Phe
 100 105 110
 Arg Thr Gly Ser Pro Leu Ser Pro Ala Gln Gly Cys Arg Gly Cys Gly

115	120	125
Arg Tyr Trp Ala Leu Glu Leu Cys Val Gln Pro Val Leu Gly Pro His		
130	135	140

Asp
145

<210> 321
<211> 97
<212> PRT
<213> Homo sapiens

<400> 321

Met	Ala	Leu	Pro	Leu	Arg	Pro	Leu	Thr	Arg	Gly	Leu	Ala	Ser	Ala	Ala
1				5					10					15	
Lys	Gly	Gly	His	Gly	Gly	Ala	Gly	Ala	Arg	Thr	Trp	Arg	Leu	Leu	Thr
			20					25					30		
Phe	Val	Leu	Ala	Leu	Pro	Ser	Val	Ala	Leu	Cys	Thr	Phe	Asn	Ser	Tyr
	35						40					45			
Leu	His	Ser	Gly	His	Arg	Pro	Arg	Pro	Glu	Phe	Arg	Pro	Tyr	Gln	His
	50					55					60				
Leu	Arg	Ile	Arg	Thr	Lys	Pro	Tyr	Pro	Trp	Gly	Asp	Gly	Asn	His	Thr
65					70					75					80
Leu	Phe	His	Asn	Ser	His	Val	Asn	Pro	Leu	Pro	Thr	Gly	Tyr	Glu	His
			85						90					95	

Pro

<210> 322
<211> 218
<212> PRT
<213> Homo sapiens

<400> 322

Met	Thr	Gln	Pro	Val	Pro	Arg	Leu	Ser	Val	Pro	Ala	Ala	Leu	Ala	Leu
1				5					10					15	
Gly	Ser	Ala	Ala	Leu	Gly	Ala	Ala	Phe	Ala	Thr	Gly	Leu	Phe	Leu	Ala
			20					25					30		
Asp	Pro	Gly	Ala	Ala	Ala	Gly	Gly	Phe	Tyr	Asp	Asp	Leu	Arg	Ala	Gly
	35						40					45			
Pro	Ala	Leu	Gly	Gln	Pro	Gly	Ala	Ala	His	Pro	Gly	Gln	Glu	Gly	Ala
50						55					60				

Gly Pro Gly His Leu His Gly Leu Leu Arg Pro Gly Pro Gly Pro Gly
 65 70 75 80
 Ala Ala Arg Gly Arg Ala Arg Gly Asp Leu Arg Gly Gly Arg Ala Ala
 85 90 95
 Pro Gly Ala Gly Thr Ala Pro Val Glu Ala Glu Ala Glu His Lys Ile
 100 105 110
 Asp Leu Arg Leu Lys Pro Ala Leu Glu Thr Leu Asp Glu Leu Leu Ala
 115 120 125
 Ala Gly Glu Ala Gly Thr Phe Asp Val Ala Val Val Asp Ala Asp Lys
 130 135 140
 Glu Asn Cys Ser Ala Tyr Tyr Glu Arg Cys Leu Gln Leu Leu Arg Pro
 145 150 155 160
 Gly Gly Ile Leu Ala Val Leu Arg Val Leu Trp Arg Gly Lys Val Leu
 165 170 175
 Gln Pro Pro Lys Gly Asp Val Ala Ala Glu Cys Val Arg Asn Leu Asn
 180 185 190
 Glu Arg Ile Arg Arg Asp Val Arg Val Tyr Ile Ser Leu Leu Pro Leu
 195 200 205
 Gly Asp Gly Leu Thr Leu Ala Phe Lys Ile
 210 215

<210> 323
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 323
 Met Pro Leu Trp Val Phe Leu Phe Leu Trp Ala Pro Gln Thr Leu Ala
 1 5 10 15
 Ala Thr Ala Arg Lys Leu Glu Arg Asn Gln Ile Glu Phe Ala Leu Lys
 20 25 30
 Cys Phe Tyr Gly Asp Lys Met Ile Thr Lys Arg Lys Glu Val Gly Asn
 35 40 45
 Arg Gly Arg Ala Arg Trp Leu Thr Pro Val Ile Pro Ala Ile Trp Glu
 50 55 60
 Val Glu Val Gly Gly Ser Pro Glu Val Arg Arg Ser Arg Pro Ala Trp
 65 70 75 80
 Pro Ile Trp

<210> 324
 <211> 672
 <212> PRT
 <213> Homo sapiens

<400> 324

Met	Gln	Lys	Ala	Ser	Val	Leu	Leu	Phe	Leu	Ala	Trp	Val	Cys	Phe	Leu
1				5					10					15	
Phe	Tyr	Ala	Gly	Ile	Ala	Leu	Phe	Thr	Ser	Gly	Phe	Leu	Leu	Thr	Arg
			20					25					30		
Leu	Glu	Leu	Thr	Asn	His	Ser	Ser	Cys	Gln	Glu	Pro	Pro	Gly	Pro	Gly
		35					40					45			
Ser	Leu	Pro	Trp	Gly	Ser	Gln	Gly	Lys	Pro	Gly	Ala	Cys	Trp	Met	Ala
	50					55					60				
Ser	Arg	Phe	Ser	Arg	Val	Val	Leu	Val	Leu	Ile	Asp	Ala	Leu	Arg	Phe
65					70					75					80
Asp	Phe	Ala	Gln	Pro	Gln	His	Ser	His	Val	Pro	Arg	Glu	Pro	Pro	Val
				85					90					95	
Ser	Leu	Pro	Phe	Leu	Gly	Lys	Leu	Ser	Ser	Leu	Gln	Arg	Ile	Leu	Glu
			100					105					110		
Ile	Gln	Pro	His	His	Ala	Arg	Leu	Tyr	Arg	Ser	Gln	Val	Asp	Pro	Pro
		115					120					125			
Thr	Thr	Thr	Met	Gln	Arg	Leu	Lys	Ala	Leu	Thr	Thr	Gly	Ser	Leu	Pro
	130					135					140				
Thr	Phe	Ile	Asp	Ala	Gly	Ser	Asn	Phe	Ala	Ser	His	Ala	Ile	Val	Glu
145					150				155						160
Asp	Asn	Leu	Ile	Lys	Gln	Leu	Thr	Ser	Ala	Gly	Arg	Arg	Val	Val	Phe
				165					170					175	
Met	Gly	Asp	Asp	Thr	Trp	Lys	Asp	Leu	Phe	Pro	Gly	Ala	Phe	Ser	Lys
			180					185						190	
Ala	Phe	Phe	Phe	Pro	Ser	Phe	Asn	Val	Arg	Asp	Leu	Asp	Thr	Val	Asp
		195					200					205			
Asn	Gly	Ile	Leu	Glu	His	Leu	Tyr	Pro	Thr	Met	Asp	Ser	Gly	Glu	Trp
	210					215					220				
Asp	Val	Leu	Ile	Ala	His	Phe	Leu	Gly	Val	Asp	His	Cys	Gly	His	Lys
225					230					235					240
His	Gly	Pro	His	His	Pro	Glu	Met	Ala	Lys	Lys	Leu	Ser	Gln	Met	Asp
				245					250					255	
Gln	Val	Ile	Gln	Gly	Leu	Val	Glu	Arg	Leu	Glu	Asn	Asp	Thr	Leu	Leu
			260					265						270	

Met Glu Met Arg Leu Arg Asp Ala Pro Gln His Phe Tyr Ala Ala Leu
580 585 590

Leu Gln Leu Gly Leu Lys Tyr Leu Phe Ile Leu Gly Ile Gln Ile Leu
595 600 605

Ala Cys Ala Leu Ala Ala Ser Ile Leu Arg Arg His Leu Met Val Trp
610 615 620

Lys Val Phe Ala Pro Lys Phe Ile Phe Glu Ala Val Gly Phe Ile Val
625 630 635 640

Ser Ser Val Gly Leu Leu Leu Gly Ile Ala Leu Val Met Arg Val Asp
645 650 655

Gly Ala Val Ser Ser Trp Phe Arg Gln Leu Phe Leu Ala Gln Gln Arg
660 665 670

<210> 325
<211> 34
<212> PRT
<213> Homo sapiens

<400> 325
Met Ala Trp Leu Ala Lys Leu Leu Pro Ala Ser Ile Lys Val Gly Ser
1 5 10 15

Glu Pro Val Val Arg Ala Leu Arg Arg Cys Met Val Val Val Gly Gly
20 25 30

Ser Thr

<210> 326
<211> 109
<212> PRT
<213> Homo sapiens

<400> 326
Met Leu Ser Leu Pro Trp Ala Phe Leu Ser Val Met Phe Ser Phe Ser
1 5 10 15

Cys Ser Phe Ser Asp Phe Ser Cys Leu Cys Cys Ser Gln Ala Cys Pro
20 25 30

Ser Val Ser Thr Asp Thr Gln Cys Leu Val Ser Gly Gln Leu Arg Gly
35 40 45

Gly Gly Phe Lys Gln Asn Ser Asp Ser Leu Gly Trp Gly Ile Arg Asn

50	55	60
Trp Gly Lys Leu Asn Asp Pro Glu Ile Pro Pro Arg Gly Val Ser Gly		
65	70	75 80
Arg Ile Cys Ala Trp Thr Val Ala Glu Pro Phe Gln Cys Ser Phe Gly		
	85 90	95
Ser Asp Phe Ile Ser Leu Asn Lys Val Pro Ile Ser Leu		
	100 105	

<210> 327
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 327
 Leu Lys Thr Val Pro Met Val Ala Ser Val Xaa Xaa Gly Trp Thr Gln
 1 5 10 15

Pro Trp Thr Gly Met Trp Leu Pro Pro Thr Leu Ser Arg Gln Pro Cys
 20 25 30

Leu Leu Ser Ala Pro Ala Xaa Pro Arg Ala Tyr Val Xaa Trp Gly Asp
 35 40 45

Trp Gly Ser Leu Phe Glu Glu Cys Ser Ser Leu Ser Ala Met Gly Gln
 50 55 60

Asp Ser Phe Ala Met Ala Pro Pro Arg Gly Lys Ser Val Gln Ala Asp
 65 70 75 80

Lys Gly Ser

<210> 328
 <211> 331
 <212> PRT
 <213> Homo sapiens

<400> 328
 Met Ser Arg Tyr Leu Leu Pro Leu Ser Ala Leu Gly Thr Val Ala Gly
 1 5 10 15
 Ala Ala Val Leu Leu Lys Asp Tyr Val Thr Gly Gly Ala Cys Pro Ser
 20 25 30
 Lys Ala Thr Ile Pro Gly Lys Thr Val Ile Val Thr Gly Ala Asn Thr
 35 40 45
 Gly Ile Gly Lys Gln Thr Ala Leu Glu Leu Ala Arg Arg Gly Gly Asn
 50 55 60
 Ile Ile Leu Ala Cys Arg Asp Met Glu Lys Cys Glu Ala Ala Ala Lys
 65 70 75 80
 Asp Ile Arg Gly Glu Thr Leu Asn His His Val Asn Ala Arg His Leu
 85 90 95
 Asp Leu Ala Ser Leu Lys Ser Ile Arg Glu Phe Ala Ala Lys Ile Ile
 100 105 110
 Glu Glu Glu Glu Arg Val Asp Ile Leu Ile Asn Asn Ala Gly Val Met
 115 120 125
 Arg Cys Pro His Trp Thr Thr Glu Asp Gly Phe Glu Met Gln Phe Gly
 130 135 140
 Val Asn His Leu Gly His Phe Leu Leu Thr Asn Leu Leu Leu Asp Lys
 145 150 155 160
 Leu Lys Ala Ser Ala Pro Ser Arg Ile Ile Asn Leu Ser Ser Leu Ala
 165 170 175
 His Val Ala Gly His Ile Asp Phe Asp Asp Leu Asn Trp Gln Thr Arg
 180 185 190
 Lys Tyr Asn Thr Lys Ala Ala Tyr Cys Gln Ser Lys Leu Ala Ile Val
 195 200 205
 Leu Phe Thr Lys Glu Leu Ser Arg Arg Leu Gln Gly Ser Gly Val Thr
 210 215 220
 Val Asn Ala Leu His Pro Gly Val Ala Arg Thr Glu Leu Gly Arg His
 225 230 235 240
 Thr Gly Ile His Gly Ser Thr Phe Ser Ser Thr Thr Leu Gly Pro Ile
 245 250 255
 Phe Trp Leu Leu Val Lys Ser Pro Glu Leu Ala Ala Gln Pro Ser Thr

260	265	270
Tyr Leu Ala Val Ala Glu Glu Leu Ala Asp Val Ser Gly Lys Tyr Phe		
275	280	285
Asp Gly Leu Lys Gln Lys Ala Pro Ala Pro Glu Ala Glu Asp Glu Glu		
290	295	300
Val Ala Arg Arg Leu Trp Ala Glu Ser Ala Arg Leu Val Gly Leu Glu		
305	310	315
Ala Pro Ser Val Arg Glu Gln Pro Leu Pro Arg		
325	330	

<210> 329
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 329
Met Gly Trp Thr Met Arg Leu Val Thr Ala Ala Leu Leu Leu Gly Leu
1 5 10 15
Met Met Val Val Thr Gly Asp Glu Asp Glu Asn Ser Pro Cys Ala His
20 25 30
Glu Ala Leu Leu Asp Glu Asp Thr Leu Phe Cys Gln Phe Arg Ala Pro
35 40 45
Arg Leu Glu Ser Arg Gly Pro Ile Leu Arg Thr Pro Arg Ile His Gln
50 55 60
Gln Ala Pro Ser Leu Arg Lys Arg Leu Met Thr Leu Arg Leu His Ala
65 70 75 80
Arg Lys Met Ser Phe Asp Phe Lys Pro Ser Ser Gln Lys Arg Ser Phe
85 90 95
Val Phe Ile Val Thr Glu Asp Phe Cys
100 105

<210> 330
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE

<222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 330
 Met Gly Ala Pro Trp Gly Gln Pro Ser Val Ala His His Thr Leu Leu
 1 5 10 15

 Phe Phe Phe Phe Phe Phe Glu Met Glu Ser Cys Ser Val Ala Gln Ala
 20 25 30

 Gly Val His Leu Pro Asp Val Ser Ser Leu Gln Pro Pro Pro Pro Gly
 35 40 45

 Phe Lys Arg Phe Ser Cys Leu Ser Leu Leu Ser Ser Trp Asp Tyr Arg
 50 55 60

 Cys Ala Pro Thr His Pro Ala Asn Phe Cys Ile Cys Arg Arg Xaa Gly
 65 70 75 80

 Val Ser Pro Xaa Trp Xaa Xaa Trp Cys
 85

<210> 331
 <211> 49
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 331

Ile Cys Pro Ser Pro Gly Cys Leu Leu Leu Leu Xaa Pro Xaa Phe Xaa
1 5 10 15

Pro Glu Asp Phe Xaa Xaa Leu Pro Pro Pro Phe Phe Gly Ile Pro Gly
20 25 30

Leu Pro Cys Pro Xaa Leu Leu Val Arg Cys Phe Pro Ile Gly Gly Pro
35 40 45

Xaa

<210> 332

<211> 205

<212> PRT

<213> Homo sapiens

<400> 332

Met Ala Pro Leu Ala Leu His Leu Leu Val Leu Val Pro Ile Leu Leu
1 5 10 15

Ser Leu Val Ala Ser Gln Asp Trp Lys Ala Glu Arg Ser Gln Asp Pro
20 25 30

Phe Glu Lys Cys Met Gln Asp Pro Asp Tyr Glu Gln Leu Leu Lys Val
35 40 45

Val Thr Trp Gly Leu Asn Arg Thr Leu Lys Pro Gln Arg Val Ile Val
50 55 60

Val Gly Ala Gly Val Ala Gly Leu Val Ala Ala Lys Val Leu Ser Asp
65 70 75 80

Ala Gly His Lys Val Thr Ile Leu Glu Ala Asp Asn Arg Ile Gly Gly
85 90 95

Arg Ile Phe Thr Tyr Arg Asp Gln Asn Thr Gly Trp Ile Gly Glu Leu

100	105	110
Ser His Ala His Ala Gln Leu Ser Gln Asp Pro Pro Gln Ala Leu Pro		
115	120	125
Gly Pro Gly Ala Gln Pro Asp Gln Val His Pro Val Arg Gln Glu His		
130	135	140
Val Asp Gly Gly Ala Arg Ser Glu Ala Ala Gln Leu Cys Gly Gly Glu		
145	150	155
Gly Ala Arg Glu Ala Gly Leu Arg Leu Ala Ser Pro Gly Lys Gly Pro		
165	170	175
Leu Ala Arg Arg His Leu Pro Asp Gly Ser Gln Pro Gly Pro Gln Arg		
180	185	190
Pro Gln Gly Thr Gly Leu Gln Lys Gly Asp Glu Glu Val		
195	200	205

<210> 333
 <211> 556
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 333
Asp Ser Gly Gly Gln Trp Arg Gly Pro Arg Cys Pro Ala Val Thr Lys
1 5 10 15
Ser Trp Arg His His Leu Pro Pro Arg Val Met Ala Pro Leu Ala Leu
20 25 30
His Leu Leu Val Leu Val Pro Ile Leu Leu Ser Leu Val Ala Ser Gln
35 40 45
Asp Trp Lys Ala Glu Arg Ser Gln Asp Pro Phe Glu Lys Cys Met Gln
50 55 60
Asp Pro Asp Tyr Glu Gln Leu Leu Lys Val Thr Ile Leu Glu Ala Asp
65 70 75 80
Asn Arg Ile Gly Gly Arg Ile Phe Thr Tyr Arg Asp Gln Xaa Thr Gly
85 90 95
Trp Ile Gly Glu Leu Gly Ala Met Arg Met Pro Ser Ser His Arg Ile
100 105 110
Leu His Lys Leu Cys Gln Gly Leu Gly Leu Asn Leu Thr Lys Phe Thr
115 120 125

Trp Ala Glu Asp Gln His Ser Gln Gly Gly Phe Val Val Gln Pro Pro
 435 440 445
 Ala Leu Trp Gln Thr Glu Lys Asp Asp Trp Thr Val Pro Tyr Gly Arg
 450 455 460
 Ile Tyr Phe Ala Gly Glu His Thr Ala Tyr Pro His Gly Trp Val Glu
 465 470 475 480
 Thr Ala Val Lys Ser Ala Leu Arg Ala Ala Ile Lys Ile Asn Ser Arg
 485 490 495
 Lys Gly Pro Ala Ser Asp Thr Ala Ser Pro Glu Gly His Ala Ser Asp
 500 505 510
 Met Glu Gly Gln Gly His Val His Gly Val Ala Ser Ser Pro Ser His
 515 520 525
 Asp Leu Ala Lys Glu Glu Gly Ser His Pro Pro Val Gln Gly Gln Leu
 530 535 540
 Ser Leu Gln Asn Thr Thr His Thr Arg Thr Ser His
 545 550 555

<210> 334
 <211> 173
 <212> PRT
 <213> Homo sapiens

<400> 334
 Met Ala Pro Leu Ala Leu His Leu Leu Val Leu Val Pro Ile Leu Leu
 1 5 10 15
 Ser Leu Val Ala Ser Gln Asp Trp Lys Ala Glu Arg Ser Gln Asp Pro
 20 25 30
 Phe Glu Lys Cys Met Gln Asp Pro Asp Tyr Glu Gln Leu Leu Lys Val
 35 40 45
 Val Thr Trp Gly Leu Asn Arg Thr Leu Lys Pro Gln Arg Val Ile Val
 50 55 60
 Val Gly Ala Gly Val Ala Gly Leu Val Ala Ala Lys Val Leu Ser Asp
 65 70 75 80
 Ala Gly His Lys Val Thr Ile Leu Glu Ala Asp Asn Arg Ile Gly Gly
 85 90 95
 Arg Ile Phe Thr Tyr Arg Asp Gln Asn Thr Gly Trp Ile Gly Glu Leu
 100 105 110
 Gly Ala Met Arg Met Pro Ser Ser His Arg Ile Leu His Lys Leu Cys
 115 120 125
 Gln Gly Leu Gly Leu Asn Leu Thr Lys Phe Thr Gln Tyr Asp Lys Asn

130		135		140
Thr Trp Thr Glu Val His Glu Val Lys Leu Arg Asn Tyr Val Val Glu				
145		150		155 160
Lys Val Pro Glu Lys Leu Gly Tyr Ala Leu Arg Pro Gln				
	165		170	

<210> 335
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 335	
Met Leu Leu Pro Leu Leu Leu Ser Ser Leu Leu Gly Gly Ser Gln Ala	
1	5 10 15
Met Asp Gly Arg Phe Trp Ile Arg Val Gln Glu Ser Val Met Val Pro	
	20 25 30
Glu Gly Leu Cys Ile Ser Val Pro Cys Ser Phe Ser Tyr Pro Arg Gln	
	35 40 45
Asp Trp Thr Gly Ser Thr Pro Ala Tyr Gly Tyr Trp Phe Lys Ala Val	
	50 55 60
Thr Glu Thr Thr Lys Gly Ala Pro Val Ala Thr Asn His Gln Ser Arg	
	65 70 75 80
Glu Val Glu Met Ser Thr Arg Gly Arg Phe Pro Gly Ser Leu Gly Asp	
	85 90 95
Pro Ala Lys Gly Asn Cys Ser Leu Val Ile Arg Arg Arg Ala Asp Ala	
	100 105 110
Arg Met Ser His Ser Thr Ser Phe Gly Trp Arg Glu Glu Ala Met	
	115 120 125

<210> 336
 <211> 346
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (252)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (309)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 336

Met	Leu	Leu	Pro	Leu	Leu	Leu	Ser	Ser	Leu	Leu	Gly	Gly	Ser	Gln	Ala
1				5					10					15	
Met	Asp	Gly	Arg	Phe	Trp	Ile	Arg	Val	Gln	Glu	Ser	Val	Met	Val	Pro
			20					25					30		
Glu	Gly	Leu	Cys	Ile	Ser	Val	Pro	Cys	Ser	Phe	Ser	Tyr	Pro	Arg	Gln
		35					40					45			
Asp	Trp	Thr	Gly	Ser	Thr	Pro	Ala	Tyr	Gly	Tyr	Trp	Phe	Lys	Ala	Val
	50					55					60				
Thr	Glu	Thr	Thr	Lys	Gly	Ala	Pro	Val	Ala	Thr	Asn	His	Gln	Ser	Arg
65					70					75					80
Glu	Val	Glu	Met	Ser	Thr	Arg	Gly	Arg	Phe	Gln	Leu	Thr	Gly	Asp	Pro
				85					90					95	
Ala	Lys	Gly	Asn	Cys	Ser	Leu	Val	Ile	Arg	Asp	Ala	Gln	Met	Gln	Asp
			100					105					110		
Glu	Ser	Gln	Tyr	Phe	Phe	Arg	Val	Glu	Arg	Gly	Ser	Tyr	Val	Arg	Tyr
		115					120					125			
Asn	Phe	Met	Asn	Asp	Gly	Phe	Phe	Leu	Lys	Val	Thr	Ala	Leu	Thr	Gln
	130					135					140				
Lys	Pro	Asp	Val	Tyr	Ile	Pro	Glu	Thr	Leu	Glu	Pro	Gly	Gln	Pro	Val
145					150					155					160
Thr	Val	Ile	Cys	Val	Phe	Asn	Trp	Ala	Phe	Glu	Glu	Cys	Pro	Pro	Pro
			165					170						175	
Ser	Phe	Ser	Trp	Thr	Gly	Ala	Ala	Leu	Ser	Ser	Gln	Gly	Thr	Lys	Pro
			180					185					190		
Thr	Thr	Ser	His	Phe	Ser	Val	Leu	Ser	Phe	Thr	Pro	Arg	Pro	Gln	Asp
		195					200					205			
His	Asn	Thr	Asp	Leu	Thr	Cys	His	Val	Asp	Phe	Ser	Arg	Lys	Gly	Val
	210					215					220				
Ser	Val	Gln	Arg	Thr	Val	Arg	Leu	Arg	Val	Ala	Tyr	Ala	Pro	Arg	Asp
225					230					235				240	
Leu	Val	Ile	Ser	Ile	Ser	Arg	Asp	Asn	Thr	Pro	Xaa	Leu	Glu	Pro	Gln
			245						250					255	
Pro	Gln	Gly	Asn	Val	Pro	Tyr	Leu	Glu	Ala	Gln	Lys	Gly	Gln	Phe	Leu
			260					265					270		
Arg	Leu	Leu	Cys	Ala	Ala	Asp	Ser	Gln	Pro	Pro	Ala	Thr	Leu	Ser	Trp
		275					280					285			
Val	Leu	Gln	Asn	Arg	Val	Leu	Ser	Ser	Ser	His	Pro	Trp	Gly	Pro	Arg
	290					295					300				

Pro Leu Gly Leu Xaa Leu Pro Gly Val Lys Ala Gly Asp Ser Gly Ala
 305 310 315 320

Thr Pro Ala Glu Arg Arg Thr Gly Leu Ala Pro Ser Ser Glu Pro Trp
 325 330 335

Thr Ser Leu Cys Ser Ile Leu Gln Arg Thr
 340 345

<210> 337
 <211> 710
 <212> PRT
 <213> Homo sapiens

<400> 337
 Gln Ala Cys Leu Arg Gln Ala Leu Arg Leu Leu Cys Gly Asp Ala Thr
 1 5 10 15

Ala Thr Ala Ala Val Leu Ala Ala Gly Arg Val Pro Gly Tyr Gly Trp
 20 25 30

Glu Ile Leu Asp Thr Ser Ala Gly Val Ser Asp Gly Ala Gly Gly Leu
 35 40 45

Cys Ile Ser Val Pro Cys Ser Phe Ser Tyr Pro Arg Gln Asp Trp Thr
 50 55 60

Gly Ser Thr Pro Ala Tyr Gly Tyr Trp Phe Lys Ala Val Thr Glu Thr
 65 70 75 80

Thr Lys Gly Ala Pro Val Ala Thr Asn His Gln Ser Arg Glu Val Glu
 85 90 95

Met Ser Thr Arg Gly Arg Phe Gln Leu Thr Gly Asp Pro Ala Lys Gly
 100 105 110

Asn Cys Ser Leu Val Ile Arg Asp Ala Gln Met Gln Asp Glu Ser Gln
 115 120 125

Tyr Phe Phe Arg Val Glu Arg Gly Ser Tyr Val Arg Tyr Asn Phe Met
 130 135 140

Asn Asp Gly Phe Phe Leu Lys Val Thr Ala Leu Thr Gln Lys Pro Asp
 145 150 155 160

Val Tyr Ile Pro Glu Thr Leu Glu Pro Gly Gln Pro Val Thr Val Ile
 165 170 175

Cys Val Phe Asn Trp Ala Phe Glu Glu Cys Pro Pro Pro Ser Phe Ser
 180 185 190

Trp Thr Gly Ala Ala Leu Ser Ser Gln Gly Thr Lys Pro Thr Thr Ser
 195 200 205

Gly Pro Trp Ala Asn Ser Ser Leu Ser Leu His Gly Gly Leu Ser Ser
 515 520 525
 Gly Leu Arg Leu Arg Cys Glu Ala Trp Asn Val His Gly Ala Gln Ser
 530 535 540
 Gly Ser Ile Leu Gln Leu Pro Asp Lys Lys Gly Leu Ile Ser Thr Ala
 545 550 555 560
 Phe Ser Asn Gly Ala Phe Leu Gly Ile Gly Ile Thr Ala Leu Leu Phe
 565 570 575
 Leu Cys Leu Ala Leu Ile Ile Met Lys Ile Leu Pro Lys Arg Arg Thr
 580 585 590
 Gln Thr Glu Thr Pro Arg Pro Arg Phe Ser Arg His Ser Thr Ile Leu
 595 600 605
 Asp Tyr Ile Asn Val Val Pro Thr Ala Gly Pro Leu Ala Gln Lys Arg
 610 615 620
 Asn Gln Lys Ala Thr Pro Asn Ser Pro Arg Thr Pro Leu Pro Pro Gly
 625 630 635 640
 Ala Pro Ser Pro Glu Ser Lys Lys Asn Gln Lys Lys Gln Tyr Gln Leu
 645 650 655
 Pro Ser Phe Pro Glu Pro Lys Ser Ser Thr Gln Ala Pro Glu Ser Gln
 660 665 670
 Glu Ser Gln Glu Glu Leu His Tyr Ala Thr Leu Asn Phe Pro Gly Val
 675 680 685
 Arg Pro Arg Pro Glu Ala Arg Met Pro Lys Gly Thr Gln Ala Asp Tyr
 690 695 700
 Ala Glu Val Lys Phe Gln
 705 710

<210> 338
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 338
 Met Thr Met Arg Ser Leu Leu Arg Thr Pro Phe Leu Cys Gly Leu Leu
 1 5 10 15
 Trp Ala Phe Cys Ala Pro Gly Ala Arg Ala Glu Glu Pro Ala Ala Ser
 20 25 30
 Phe Ser Gln Pro Gly Ser Met Gly Leu Asp Lys Asn Thr Val His Asp
 35 40 45
 Gln Glu His Ile Met Glu His Leu Glu Gly Val Ile Asn Lys Pro Glu

50		55		60
Ala Glu Met Ser Pro Gln Glu Leu Gln Leu His Tyr Phe Lys Met His				
65		70		75 80
Asp Tyr Asp Gly Asn Asn Leu Leu Asp Gly Leu Glu Leu Ser Thr Ala				
	85		90	95
Ile Thr His Val His Lys Glu Glu Gly Ser Glu Gln Ala Pro Leu Met				
	100		105	110
Ser Glu Asp Glu Leu Ile Asn Ile Ile Asp Gly Val Leu Arg Asp Asp				
	115		120	125
Asp Lys Asn Asn Asp Gly Tyr Ile Asp Tyr Ala Glu Phe Ala Lys Ser				
	130		135	140
Leu Gln				
145				

<210> 339
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 339
Met Ala Ser Pro Ala Ser Val Val Pro Ala Val Gly Phe Leu Arg Leu
1 5 10 15
His Ser Met Leu Leu Ile Ala Cys Pro Pro His Ala Ser Leu Gly Leu
20 25 30
Pro Leu His Val Arg Gln Gln Pro Val Glu Leu Arg His Leu Pro Phe
35 40 45
Pro Cys Cys Ser Ser Leu Ser Pro Leu Ser Ser Trp Ala Tyr Arg Val
50 55 60
Leu Pro Phe Cys Pro Cys Trp Ser Thr Val Ala Gln Ser Arg Leu Thr
65 70 75 80
Ala Ala Ser Thr Ser Gln Thr Gln Val Val Leu Pro Pro Gln Pro His
85 90 95
Pro Arg Pro Pro Gln Pro Pro Lys Val Leu Ala Leu Gln Thr
100 105 110

<210> 340
 <211> 168
 <212> PRT
 <213> Homo sapiens
 <400> 340

Met Glu Asp Gly Asp Lys Arg Cys Lys Leu Leu Leu Gly Ile Gly Ile
 1 5 10 15
 Leu Val Leu Leu Ile Ile Val Ile Leu Gly Val Pro Leu Ile Ile Phe
 20 25 30
 Thr Ile Lys Ala Asn Ser Glu Ala Cys Arg Asp Gly Leu Arg Ala Val
 35 40 45
 Met Glu Cys Arg Asn Val Thr His Leu Leu Gln Gln Glu Leu Thr Glu
 50 55 60
 Ala Gln Lys Gly Phe Gln Asp Val Glu Ala Gln Ala Ala Thr Cys Asn
 65 70 75 80
 His Thr Val Met Ala Leu Met Ala Ser Leu Asp Ala Glu Lys Ala Gln
 85 90 95
 Gly Gln Lys Lys Val Glu Glu Leu Glu Gly Glu Ile Thr Thr Leu Asn
 100 105 110
 His Lys Leu Gln Asp Ala Ser Ala Glu Val Glu Arg Leu Arg Arg Glu
 115 120 125
 Asn Gln Val Leu Ser Val Arg Ile Ala Asp Lys Lys Tyr Tyr Pro Ser
 130 135 140
 Ser Gln Asp Ser Ser Ser Ala Ala Ala Pro Gln Leu Leu Ile Val Leu
 145 150 155 160
 Leu Gly Leu Ser Ala Leu Leu Gln
 165

<210> 341
 <211> 227
 <212> PRT
 <213> Homo sapiens

<400> 341
 Met Ala Gly Val Gly Ala Gly Pro Leu Arg Ala Met Gly Arg Gln Ala
 1 5 10 15
 Leu Leu Leu Leu Ala Leu Cys Ala Thr Gly Ala Gln Gly Leu Tyr Phe
 20 25 30
 His Ile Gly Glu Thr Glu Lys Arg Cys Phe Ile Glu Glu Ile Pro Asp
 35 40 45
 Glu Thr Met Val Ile Gly Asn Tyr Arg Thr Gln Met Trp Asp Lys Gln
 50 55 60
 Lys Glu Val Phe Leu Pro Ser Thr Pro Gly Leu Gly Met His Val Glu
 65 70 75 80
 Val Lys Asp Pro Asp Gly Lys Val Val Leu Ser Arg Gln Tyr Gly Ser

85					90					95					
Glu	Gly	Arg	Phe	Thr	Phe	Thr	Ser	His	Thr	Pro	Gly	Asp	His	Gln	Ile
			100					105					110		
Cys	Leu	His	Ser	Asn	Ser	Thr	Arg	Met	Ala	Leu	Phe	Ala	Gly	Gly	Lys
		115					120					125			
Leu	Arg	Val	His	Leu	Asp	Ile	Gln	Val	Gly	Glu	His	Ala	Asn	Asn	Tyr
	130					135					140				
Pro	Glu	Ile	Ala	Ala	Lys	Asp	Lys	Leu	Thr	Glu	Leu	Gln	Leu	Arg	Ala
145					150					155					160
Arg	Gln	Leu	Leu	Asp	Gln	Val	Glu	Gln	Ile	Gln	Lys	Glu	Gln	Asp	Tyr
				165					170					175	
Gln	Arg	Tyr	Arg	Glu	Glu	Arg	Phe	Arg	Leu	Thr	Ser	Glu	Ser	Thr	Asn
			180					185					190		
Gln	Arg	Val	Leu	Trp	Trp	Ser	Ile	Ala	Gln	Thr	Val	Ile	Leu	Ile	Leu
		195					200					205			
Thr	Gly	Ile	Trp	Gln	Met	Arg	His	Leu	Lys	Ser	Phe	Phe	Glu	Ala	Lys
	210					215					220				
Lys	Leu	Val													
225															

<210> 342
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 342
 Met Ala Gly Val Gly Ala Gly Pro Leu Arg Ala Met Gly Arg Gln Ala
 1 5 10 15
 Leu Leu Leu Leu Ala Leu Cys Ala Thr Gly Ala Gln Gly Leu Tyr Phe
 20 25 30
 His Ile Gly Glu Thr Glu Lys Arg Cys Phe Ile Glu Glu Ile Pro Asp
 35 40 45
 Glu Thr Met Val Ile Gly Gln Ala Gly
 50 55

<210> 343
 <211> 121
 <212> PRT
 <213> Homo sapiens
 <220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 343

Leu	Ser	Ala	Phe	Ile	Met	Leu	Cys	Tyr	Gln	His	His	His	Pro	Ala	Pro
1				5					10					15	
Glu	Leu	Phe	His	Leu	Leu	Lys	Leu	Lys	Ile	Cys	Thr	Tyr	Phe	Val	Leu
			20					25					30		
Phe	Xaa	Arg	Trp	Ser	Leu	Ala	Leu	Leu	Pro	Arg	Leu	Glu	Arg	Ser	Gly
		35					40					45			
Ala	Ile	Ser	Ala	His	Cys	Thr	Leu	Arg	Leu	Ser	Gly	Ser	Ser	Asp	Ser
	50					55					60				
Pro	Ala	Ser	Ala	Ser	Gln	Val	Ala	Gly	Ile	Thr	Gly	Lys	Cys	His	His
65					70					75					80
Ala	Trp	Leu	Ile	Phe	Val	Phe	Leu	Val	Glu	Thr	Gly	Phe	His	His	Val
				85					90					95	
Gly	Gln	Ala	Gly	Leu	Glu	Leu	Leu	Ala	Ser	Gly	Asn	Pro	Leu	Pro	Gln
			100					105					110		
Pro	Pro	Lys	Val	Leu	Gly	Leu	Gln	Ala							
		115					120								

<210> 344

<211> 93

<212> PRT

<213> Homo sapiens

<400> 344

Met	Ala	Arg	Leu	Gln	Thr	Ala	Leu	Leu	Val	Val	Leu	Val	Leu	Leu	Ala
1				5					10					15	
Val	Ala	Leu	Gln	Ala	Thr	Glu	Ala	Gly	Pro	Tyr	Gly	Ala	Asn	Met	Glu
			20					25					30		
Asp	Ser	Val	Cys	Cys	Arg	Asp	Tyr	Val	Arg	Tyr	Arg	Leu	Pro	Leu	Arg
		35					40					45			
Val	Val	Lys	His	Phe	Tyr	Trp	Thr	Ser	Asp	Ser	Cys	Pro	Arg	Pro	Gly
	50					55					60				
Val	Val	Leu	Leu	Thr	Phe	Arg	Asp	Lys	Glu	Ile	Cys	Ala	Asp	Pro	Arg
65					70					75					80
Val	Pro	Trp	Val	Lys	Met	Ile	Leu	Asn	Lys	Leu	Ser	Gln			
				85					90						

<210> 345
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 345
 Met Ala Arg Leu Gln Thr Ala Leu Leu Val Val Leu Val Leu Leu Ala
 1 5 10 15
 Val Ala Leu Gln Ala Thr Glu Ala Gly Pro Tyr Gly Ala Asn Met Glu
 20 25 30
 Asp Ser Val Cys Cys Arg Asp Tyr Val Arg Tyr Arg Leu Pro Leu Arg
 35 40 45
 Val Val Lys His Phe Tyr Trp Thr Ser Asp Ser Cys Pro Arg Pro Gly
 50 55 60
 Val Val Leu Leu Thr Phe Arg Asp Lys Glu Ile Cys Ala Asp Pro Arg
 65 70 75 80
 Val Pro Trp Val Lys Met Ile Leu Asn Lys Leu Ser Gln
 85 90

<210> 346
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 346
 Ser Leu Leu Ser Lys Leu Val Met Tyr Tyr Arg Tyr Asn Cys Thr Lys
 1 5 10 15
 Ile Val Gln Pro Lys Thr Ile Cys Asn Cys Leu Leu Phe Tyr Cys Ile
 20 25 30
 Leu Phe Val Phe Leu Arg Pro Leu Ile Ala Phe Cys Asn Leu Met Ala
 35 40 45

<210> 347
 <211> 206
 <212> PRT
 <213> Homo sapiens

<400> 347
 Met Asp Pro Phe Val Val Leu Val Leu Cys Leu Ser Phe Leu Leu Leu
 1 5 10 15
 Leu Ser Leu Trp Arg Gln Arg Ser Ala Arg Gly Asn Leu Pro Pro Gly
 20 25 30

Pro Thr Pro Leu Pro Ile Ile Gly Asn Tyr His Leu Ile Asp Met Lys
 35 40 45
 Asp Ile Gly Gln Cys Leu Thr Asn Phe Ser Lys Ile Tyr Gly Pro Val
 50 55 60
 Phe Thr Leu Tyr Phe Gly Ser Gln Pro Ile Val Ile Leu His Gly Tyr
 65 70 75 80
 Glu Ala Met Lys Glu Ala Phe Ile Asp Tyr Gly Glu Glu Phe Ser Gly
 85 90 95
 Arg Gly Arg Ile Pro Val Phe Asp Lys Val Ser Lys Gly Lys Gly Ile
 100 105 110
 Gly Phe Ser His Gly Asn Val Trp Lys Ala Thr Arg Val Phe Thr Val
 115 120 125
 Asn Thr Leu Arg Asn Leu Gly Met Gly Lys Arg Thr Ile Glu Thr Lys
 130 135 140
 Val Gln Glu Glu Ala Gln Trp Leu Met Lys Glu Leu Lys Lys Thr Asn
 145 150 155 160
 Gly Ser Pro Cys Asp Pro Gln Phe Ile Ile Gly Cys Ala Pro Cys Asn
 165 170 175
 Val Ile Cys Ser Ile Val Phe Gln Asn Arg Phe Asp Tyr Lys Asp Lys
 180 185 190
 Asp Phe Leu Ser Leu Ile Gly Lys Val Asn Glu Cys Thr Glu
 195 200 205

<210> 348
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 348
 Met Val Phe Phe Leu Leu Leu Leu Phe Leu Arg Glu Gly Leu Ala Leu
 1 5 10 15
 Ser Pro Arg Leu Glu Cys Ser Ser Thr Ile Ile Ala His Tyr Ser Leu
 20 25 30
 Lys Phe Leu Asp Ser Ser Ala Pro Pro Ile Ser Ala Ser Pro Val Ala
 35 40 45
 Gly Thr Thr Ala Cys Thr Thr Ile Pro Gly Tyr Leu Phe Tyr Phe Phe
 50 55 60
 Val Glu Met Arg Ser Pro Cys Val Ala Gln Ala Gly Leu Lys His Leu
 65 70 75 80

Asp Ser Arg Asp Pro Pro Ala Ser Ala Lys Lys Lys Lys Lys Lys
85 90 95

<210> 349
<211> 310
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (212)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (220)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (265)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (276)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (284)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (302)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 349
Met Met Gly Ser Pro Val Ser His Leu Leu Ala Gly Phe Cys Val Trp
1 5 10 15

Val Val Leu Gly Trp Val Gly Gly Ser Val Pro Asn Leu Gly Pro Ala
20 25 30

Glu Gln Glu Gln Asn His Tyr Leu Ala Gln Leu Phe Gly Leu Tyr Gly
35 40 45

Glu Asn Gly Thr Leu Thr Ala Gly Gly Leu Ala Arg Leu Leu His Ser
50 55 60

Leu Gly Leu Gly Arg Val Gln Gly Leu Arg Leu Gly Gln His Gly Pro
65 70 75 80

Leu Thr Gly Arg Ala Ala Ser Pro Ala Ala Asp Asn Ser Thr His Arg

85					90					95					
Pro	Gln	Asn	Pro	Glu	Leu	Ser	Val	Asp	Val	Trp	Ala	Gly	Met	Pro	Leu
			100					105					110		
Gly	Pro	Ser	Gly	Trp	Gly	Asp	Leu	Glu	Glu	Ser	Lys	Ala	Pro	His	Leu
		115					120					125			
Pro	Arg	Gly	Pro	Ala	Pro	Ser	Gly	Leu	Asp	Leu	Leu	His	Arg	Leu	Leu
		130					135					140			
Leu	Leu	Asp	His	Ser	Leu	Ala	Asp	His	Leu	Asn	Glu	Asp	Cys	Leu	Asn
145						150					155				160
Gly	Ser	Gln	Leu	Leu	Val	Asn	Phe	Gly	Leu	Ser	Pro	Ala	Ala	Pro	Leu
			165						170					175	
Thr	Pro	Arg	Gln	Phe	Ala	Leu	Leu	Cys	Pro	Ala	Leu	Leu	Tyr	Gln	Ile
			180					185					190		
Asp	Ser	Arg	Val	Cys	Ile	Gly	Ala	Pro	Ala	Pro	Ala	Pro	Pro	Gly	Asp
		195					200					205			
Leu	Leu	Ser	Xaa	Leu	Leu	Gln	Ser	Ala	Leu	Ala	Xaa	Leu	Leu	Leu	Ser
		210				215					220				
Leu	Pro	Ser	Pro	Leu	Ser	Leu	Leu	Leu	Arg	Leu	Leu	Gly	Pro	Arg	
225				230					235					240	
Leu	Leu	Arg	Pro	Leu	Leu	Gly	Phe	Leu	Gly	Ala	Leu	Ala	Val	Gly	Thr
			245						250					255	
Leu	Cys	Gly	His	Ala	Thr	Lys	Pro	Xaa	Ser	Ala	Ser	Gly	Ala	Pro	Gly
			260					265					270		
Tyr	Ala	Pro	Xaa	Ala	Ser	Ala	Arg	Ala	Gly	Ala	Xaa	Ala	Trp	Gly	Ala
		275					280					285			
Gly	Leu	Lys	Leu	Gly	Ile	Asn	Leu	Gly	Trp	Lys	Asn	Arg	Xaa	Leu	Ala
		290				295					300				
Arg	Glu	Gln	Leu	Lys	Ala										
305				310											

<210> 350

<211> 99

<212> PRT

<213> Homo sapiens

<400> 350

Leu	Leu	Glu	Gly	Arg	Gln	Thr	Ile	Gly	Pro	Gln	Lys	Ser	Glu	Lys	Gln
1				5				10					15		

Gly	Thr	Lys	Val	Phe	Gly	Trp	Gly	Leu	Leu	Met	Leu	Ser	Asp	Thr	Ile
			20					25					30		

Pro Leu Glu Leu Arg Gly Gln Gly Gln Gly Gln Asn Pro Asp Ile Leu
35 40 45

Phe Phe Phe Gln Leu Pro Ala Leu Leu Arg Pro Pro Glu Pro Leu Pro
50 55 60

Thr Pro His Val Leu Leu Gln Gly Leu Gly Leu Leu Leu Gly Gly Gly
65 70 75 80

Leu Met Leu Ala Ile Thr Leu Leu Glu Glu Arg Leu Leu Pro Val Thr
85 90 95

Thr Glu Gly

<210> 351
<211> 205
<212> PRT
<213> Homo sapiens

<400> 351
Met Cys Asp Gly Ser His Leu Ala Ser Thr Leu Arg Tyr Cys Met Thr
1 5 10 15

Val Ser Gly Thr Val Val Leu Val Ala Gly Thr Leu Cys Phe Ala Trp
20 25 30

Trp Ser Glu Gly Asp Ala Thr Ala Gln Pro Gly Gln Leu Ala Pro Pro
35 40 45

Thr Glu Tyr Pro Val Pro Glu Gly Pro Ser Pro Leu Leu Arg Ser Val
50 55 60

Ser Phe Val Cys Cys Gly Ala Gly Gly Leu Leu Leu Leu Ile Gly Leu
65 70 75 80

Leu Trp Ser Val Lys Ala Ser Ile Pro Gly Pro Pro Arg Trp Asp Pro
85 90 95

Tyr His Leu Ser Arg Asp Leu Tyr Tyr Leu Thr Val Glu Ser Ser Glu
100 105 110

Lys Glu Ser Cys Arg Thr Pro Lys Val Val Asp Ile Pro Thr Tyr Glu
115 120 125

Glu Ala Val Ser Phe Pro Val Ala Glu Gly Pro Pro Thr Pro Pro Ala
130 135 140

Tyr Pro Thr Glu Glu Ala Leu Glu Pro Ser Gly Ser Arg Asp Ala Leu
145 150 155 160

Leu Ser Thr Gln Pro Ala Trp Pro Pro Pro Ser Tyr Glu Ser Ile Ser
165 170 175

Leu Ala Leu Asp Ala Val Ser Ala Glu Thr Thr Pro Ser Ala Thr Arg
180 185 190

Ser Cys Ser Gly Leu Val Gln Thr Ala Arg Gly Gly Ser
195 200 205

<210> 352
<211> 167
<212> PRT
<213> Homo sapiens

<400> 352
Met Leu Thr Val Ala Leu Leu Ala Leu Leu Cys Ala Ser Ala Ser Gly
1 5 10 15

Asn Ala Ile Gln Ala Arg Ser Ser Ser Tyr Ser Gly Glu Tyr Gly Ser
20 25 30

Gly Gly Gly Lys Arg Phe Ser His Ser Gly Asn Gln Leu Asp Gly Pro
35 40 45

Ile Thr Ala Leu Arg Val Arg Val Asn Thr Tyr Tyr Ile Val Gly Leu
50 55 60

Gln Val Arg Tyr Gly Lys Val Trp Ser Asp Tyr Val Gly Gly Arg Asn
65 70 75 80

Gly Asp Leu Glu Glu Ile Phe Leu His Pro Gly Glu Ser Val Ile Gln
85 90 95

Val Ser Gly Lys Tyr Lys Trp Tyr Leu Lys Lys Leu Val Phe Val Thr
100 105 110

Asp Lys Gly Arg Tyr Leu Ser Phe Gly Lys Asp Ser Gly Thr Ser Phe
115 120 125

Asn Ala Val Pro Leu His Pro Asn Thr Val Leu Arg Phe Ile Ser Gly
130 135 140

Arg Ser Gly Ser Leu Ile Asp Ala Ile Gly Leu His Trp Asp Val Tyr
145 150 155 160

Pro Thr Ser Cys Ser Arg Cys
165

<210> 353
<211> 88
<212> PRT
<213> Homo sapiens

<400> 353
Met Val Met Met Gly Val Arg Met Met Leu Lys Val Met Lys Ile Pro
1 5 10 15

Leu Leu Leu Thr Glu Ala Leu Pro Ala Phe Thr Val Ala Cys Trp Lys
 20 25 30
 Val Ala Ser Gly Ala Tyr Thr Ile Ala Val Ser Gly Ser Gly Val Thr
 35 40 45
 Cys Ser Arg Lys Gly Lys Val Arg Arg Lys Glu Phe Ser Ser Leu Gln
 50 55 60
 Glu Thr Gly Val Gly Thr Ser Tyr Leu Thr Gly Arg His Tyr Ser Trp
 65 70 75 80
 Met Ser Ile Cys Thr Leu Asp Ser
 85

<210> 354
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 354
 Met Ser His Leu Gly Leu His Asn Ser Phe Phe Phe Phe Phe Leu Arg
 1 5 10 15
 Trp Ser Phe Ala Leu Val Ala Gln Ala Gly Val Gln Trp Cys Asp Leu
 20 25 30
 Gly Ser Pro Gln Pro Pro Pro Pro Gly Phe Lys Gln Phe Ser Cys Leu
 35 40 45
 Ser Leu Pro Ser Ser Trp Asp Tyr Arg Cys Ala Pro Pro Cys Leu Ala
 50 55 60
 Asn Phe Val Phe Leu Val Glu Thr Gly Phe Leu His Val Gly Gln Ala
 65 70 75 80
 Gly Leu Glu Leu Leu Thr Ser Ser Asp Leu Ser Thr Ser Ala Ser Gln
 85 90 95
 Ser Ala Gly Ile Thr Gly Val Ser His Cys Ser Gln Gln Glu Phe Leu
 100 105 110
 Phe Tyr Ser Ile Gly
 115

<210> 355
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 355
 Met Ser His Leu Gly Leu His Asn Ser Phe Phe Phe Phe Phe Leu Arg

1	5	10	15
Trp Ser Phe	Ala Leu Val	Ala Gln Ala Gly Val	Gln Trp Cys Asp Leu
	20	25	30
Gly Ser Pro	Gln Pro Pro Pro	Pro Gly Phe Lys	Gln Phe Ser Cys Leu
	35	40	45
Ser Leu Pro	Ser Ser Trp Asp Tyr	Arg Cys Ala Pro	Pro Cys Leu Ala
	50	55	60
Asn Phe Val	Phe Leu Val Glu Thr	Gly Phe Leu His	Val Gly Gln Ala
	65	70	75
Gly Leu Glu	Leu Leu Thr Ser Ser	Asp Leu Ser Thr	Ser Ala Ser Gln
	85	90	95
Ser Ala Gly	Ile Thr Gly Val Ser	His Cys Ser Gln	Gln Glu Phe Leu
	100	105	110
Phe Tyr Ser	Ile Gly		
	115		

<210> 356
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (191)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 356
Met Lys Leu Trp Val Ser Ala Leu Leu Met Ala Trp Phe Gly Val Leu
1 5 10 15
Ser Cys Val Gln Ala Glu Phe Phe Thr Ser Ile Gly His Met Thr Asp
20 25 30
Leu Ile Tyr Ala Glu Lys Glu Leu Val Gln Ser Leu Lys Glu Tyr Ile
35 40 45
Leu Val Glu Glu Ala Lys Leu Ser Lys Ile Lys Ser Trp Ala Asn Xaa
50 55 60

Met Glu Ala Leu Thr Xaa Lys Ser Ala Ala Asp Ala Glu Gly Tyr Leu
 65 70 75 80
 Ala His Pro Val Asn Ala Tyr Lys Leu Val Lys Arg Leu Asn Thr Asp
 85 90 95
 Trp Pro Ala Leu Glu Asp Leu Val Leu Gln Asp Ser Ala Ala Gly Phe
 100 105 110
 Ile Ala Asn Leu Ser Val Gln Arg Gln Phe Phe Pro Thr Asp Glu Asp
 115 120 125
 Glu Ile Gly Ala Ala Lys Ala Leu Met Arg Leu Gln Asp Thr Tyr Arg
 130 135 140
 Leu Asp Pro Gly Thr Ile Ser Arg Gly Glu Leu Pro Gly Thr Lys Tyr
 145 150 155 160
 Gln Ala Met Leu Ser Val Asp Asp Cys Phe Gly Met Gly Arg Ser Ala
 165 170 175
 Tyr Asn Glu Gly Asp Tyr Tyr His Thr Val Leu Trp Met Glu Xaa Val
 180 185 190
 Leu Lys Gln Leu
 195

<210> 357
 <211> 457
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (430)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (438)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (448)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 357
 Met Lys Leu Trp Val Ser Ala Leu Leu Met Ala Trp Phe Gly Val Leu
 1 5 10 15
 Ser Cys Val Gln Ala Glu Phe Phe Thr Ser Ile Gly His Met Thr Asp
 20 25 30

Leu	Ile	Tyr	Ala	Glu	Lys	Glu	Leu	Val	Gln	Ser	Leu	Lys	Glu	Tyr	Ile	35	40	45
Leu	Val	Glu	Glu	Ala	Lys	Leu	Ser	Lys	Ile	Lys	Ser	Trp	Ala	Asn	Lys	50	55	60
Met	Glu	Ala	Leu	Thr	Ser	Lys	Ser	Ala	Ala	Asp	Ala	Glu	Gly	Tyr	Leu	65	70	75
Ala	His	Pro	Val	Asn	Ala	Tyr	Lys	Leu	Val	Lys	Arg	Leu	Asn	Thr	Asp	85	90	95
Trp	Pro	Ala	Leu	Glu	Asp	Leu	Val	Leu	Gln	Asp	Ser	Ala	Ala	Gly	Phe	100	105	110
Ile	Ala	Asn	Leu	Ser	Val	Gln	Arg	Gln	Phe	Phe	Pro	Thr	Asp	Glu	Asp	115	120	125
Glu	Ile	Gly	Ala	Ala	Lys	Ala	Leu	Met	Arg	Leu	Gln	Asp	Thr	Tyr	Arg	130	135	140
Leu	Asp	Pro	Gly	Thr	Ile	Ser	Arg	Gly	Glu	Leu	Pro	Gly	Thr	Lys	Tyr	145	150	155
Gln	Ala	Met	Leu	Ser	Val	Asp	Asp	Cys	Phe	Gly	Met	Gly	Arg	Ser	Ala	165	170	175
Tyr	Asn	Glu	Gly	Asp	Tyr	Tyr	His	Thr	Val	Leu	Trp	Met	Glu	Gln	Val	180	185	190
Leu	Lys	Gln	Leu	Asp	Ala	Gly	Glu	Glu	Ala	Thr	Thr	Thr	Lys	Ser	Gln	195	200	205
Val	Leu	Asp	Tyr	Leu	Ser	Tyr	Ala	Val	Phe	Gln	Leu	Gly	Asp	Leu	His	210	215	220
Arg	Ala	Leu	Glu	Leu	Thr	Arg	Arg	Leu	Leu	Ser	Leu	Asp	Pro	Ser	His	225	230	235
Glu	Arg	Ala	Gly	Gly	Asn	Leu	Arg	Tyr	Phe	Glu	Gln	Leu	Leu	Glu	Glu	245	250	255
Glu	Arg	Glu	Lys	Thr	Leu	Thr	Asn	Gln	Thr	Glu	Ala	Glu	Leu	Ala	Thr	260	265	270
Pro	Glu	Gly	Ile	Tyr	Glu	Arg	Pro	Val	Asp	Tyr	Leu	Pro	Glu	Arg	Asp	275	280	285
Val	Tyr	Glu	Ser	Leu	Cys	Arg	Gly	Glu	Gly	Val	Lys	Leu	Thr	Pro	Arg	290	295	300
Arg	Gln	Lys	Arg	Leu	Phe	Cys	Arg	Tyr	His	His	Gly	Asn	Arg	Ala	Pro	305	310	315
Gln	Leu	Leu	Ile	Ala	Pro	Phe	Lys	Glu	Glu	Asp	Glu	Trp	Asp	Ser	Pro	325	330	335

His Ile Val Arg Tyr Tyr Asp Val Met Ser Asp Glu Glu Ile Glu Arg
 340 345 350
 Ile Lys Glu Ile Ala Lys Pro Lys Leu Ala Arg Ala Thr Val Arg Asp
 355 360 365
 Pro Lys Thr Gly Val Leu Thr Val Ala Ser Tyr Arg Val Ser Lys Ser
 370 375 380
 Ser Trp Leu Glu Glu Asp Asp Asp Pro Val Val Ala Arg Val Asn Arg
 385 390 395 400
 Arg Met Gln His Ile Thr Gly Leu Thr Val Lys Thr Ala Glu Leu Leu
 405 410 415
 Gln Val Ala Asn Tyr Gly Val Gly Gly Gln Tyr Glu Pro Xaa Phe Asp
 420 425 430
 Phe Ser Arg Asn Asp Xaa Arg Asp Thr Phe Lys His Leu Gly Thr Xaa
 435 440 445
 Asn Arg Val Ala Thr Phe Leu Asn Tyr
 450 455

<210> 358
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 358
 Ala Asn Thr Phe Lys His Leu Gly Thr Gly Asn Arg Val Ala Thr Phe
 1 5 10 15
 Leu Asn Tyr Met Ser Asp Val Glu Ala Gly Gly Ala Thr Val Phe Pro
 20 25 30
 Asp Leu Gly Ala Ala Ile Trp Pro Lys Lys Gly Thr Ala Val Phe Trp
 35 40 45
 Tyr Asn Leu Leu Arg Ser Gly Glu Gly Asp Tyr Arg Thr Arg His Ala
 50 55 60
 Ala Cys Pro Val Leu Val Gly Cys Lys Trp Val Ser Asn Lys Trp Phe
 65 70 75 80
 His Glu Arg Gly Gln Glu Phe Leu Arg Pro Cys Gly Ser Thr Glu Val
 85 90 95

Asp

<210> 359
 <211> 180

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 359
 Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30
 Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45
 Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60
 Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
 65 70 75 80
 Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
 85 90 95
 Gly Val Pro Gly Pro Met Gly Ile Pro Gly Glu Pro Gly Glu Glu Gly
 100 105 110
 Arg Tyr Lys Gln Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln Thr
 115 120 125
 His Gln Xaa Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Xaa Leu
 130 135 140
 Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr Gly Lys Phe Thr Cys
 145 150 155 160
 Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His Ala Ser His Thr Ala
 165 170 175
 Asn Leu Cys Val
 180

<210> 360
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 360
Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
1 5 10 15
Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
20 25 30
Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
35 40 45
Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
50 55 60
Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Ile Gln Ala Glu Ile Pro
65 70 75 80
Val Ser Val His Gly His Ser Ala Asp Pro Pro Ala Pro Cys Thr Gln
85 90 95
Gln Pro Asp Gln Ile Gln Arg Gly Pro His Gln Pro Ala Gly Arg Leu
100 105 110

<210> 361
<211> 245
<212> PRT
<213> Homo sapiens

<400> 361
Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
1 5 10 15
Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
20 25 30
Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
35 40 45
Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
50 55 60
Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
65 70 75 80
Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
85 90 95
Gly Val Pro Gly Pro Met Gly Ile Pro Gly Glu Pro Gly Glu Glu Gly
100 105 110
Arg Tyr Lys Gln Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln Thr
115 120 125

His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val Leu
 130 135 140
 Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr Gly Lys Phe Thr Cys
 145 150 155 160
 Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His Ala Ser His Thr Ala
 165 170 175
 Asn Leu Cys Val Leu Leu Tyr Arg Ser Gly Val Lys Val Val Thr Phe
 180 185 190
 Cys Gly His Thr Ser Lys Thr Asn Gln Val Asn Ser Gly Gly Val Leu
 195 200 205
 Leu Arg Leu Gln Val Gly Glu Glu Val Trp Leu Ala Val Asn Asp Tyr
 210 215 220
 Tyr Asp Met Val Gly Ile Gln Gly Ser Asp Ser Val Phe Ser Gly Phe
 225 230 235 240
 Leu Leu Phe Pro Asp
 245

<210> 362
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 362
 Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30
 Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45
 Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60
 Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
 65 70 75 80
 Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
 85 90 95
 Gly Val Pro Gly Pro Met Gly Ile Pro Gly Glu Pro Gly Glu Glu Gly
 100 105 110
 Arg Tyr Lys Gln Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln Thr
 115 120 125
 His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val Leu

130					135					140					
Thr	Asn	Pro	Gln	Gly	Asp	Tyr	Asp	Thr	Ser	Thr	Gly	Lys	Phe	Thr	Cys
145					150					155					160
Lys	Val	Pro	Gly	Leu	Tyr	Tyr	Phe	Val	Tyr	His	Ala	Ser	His	Thr	Ala
				165					170					175	
Asn	Leu	Cys	Val	Leu	Leu	Tyr	Arg	Ser	Gly	Val	Lys	Val	Val	Thr	Phe
			180					185					190		
Cys	Gly	His	Thr	Ser	Lys	Thr	Asn	Gln	Val	Asn	Ser	Gly	Gly	Val	Leu
		195					200					205			
Leu	Arg	Leu	Gln	Val	Gly	Glu	Glu	Val	Trp	Leu	Ala	Val	Asn	Asp	Tyr
	210					215					220				
Tyr	Asp	Met	Val	Gly	Ile	Gln	Gly	Ser	Asp	Ser	Val	Phe	Ser	Gly	Phe
225					230					235					240
Leu	Leu	Phe	Pro	Asp											
				245											

<210> 363
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 363

Met	Arg	Arg	Gly	Arg	Ala	Gly	Pro	Gly	Arg	Ala	Gly	Gly	Ala	Arg	Ser
1				5					10					15	
Ala	Ser	Trp	Met	Ser	Arg	Leu	Arg	Ala	Leu	Leu	Gly	Leu	Gly	Leu	Leu
			20					25					30		
Val	Ala	Gly	Ser	Arg	Leu	Pro	Arg	Ile	Lys	Ser	Gln	Thr	Ile	Ala	Cys
		35					40					45			
Arg	Ser	Gly	Pro	Thr	Trp	Trp	Gly	Pro	Gln	Arg	Leu	Asn	Ser	Gly	Gly
	50					55					60				
Arg	Trp	Asp	Ser	Glu	Val	Met	Ala	Ser	Thr	Val	Val	Lys	Tyr	Leu	Ser
	65				70					75					80
Gln	Glu	Glu	Ala	Gln	Ala	Val	Asp	Gln	Glu	Leu	Phe	Asn	Glu	Tyr	Gln
				85					90					95	
Phe	Ser	Val	Asp	Gln	Leu	Met	Glu	Leu	Ala	Gly	Leu	Ser	Cys	Ala	Thr
			100					105					110		
Ala	Ile	Ala	Lys	Ala	Tyr	Pro	Pro	Thr	Ser	Met	Ser	Arg	Ser	Pro	Pro
		115					120					125			
Thr	Val	Leu	Val	Ile	Cys	Gly	Pro	Gly							
	130					135									

<210> 364
 <211> 307
 <212> PRT
 <213> Homo sapiens

<400> 364

Met	Arg	Arg	Gly	Arg	Ala	Gly	Pro	Gly	Arg	Ala	Gly	Gly	Ala	Arg	Ser
1				5					10					15	
Ala	Ser	Trp	Met	Ser	Arg	Leu	Arg	Ala	Leu	Leu	Gly	Leu	Gly	Leu	Leu
			20					25					30		
Val	Ala	Gly	Ser	Arg	Leu	Pro	Arg	Ile	Lys	Ser	Gln	Thr	Ile	Ala	Cys
		35					40					45			
Arg	Ser	Gly	Pro	Thr	Trp	Trp	Gly	Pro	Gln	Arg	Leu	Asn	Ser	Gly	Gly
	50					55					60				
Arg	Trp	Asp	Ser	Glu	Val	Met	Ala	Ser	Thr	Val	Val	Lys	Tyr	Leu	Ser
	65				70					75					80
Gln	Glu	Glu	Ala	Gln	Ala	Val	Asp	Gln	Glu	Leu	Phe	Asn	Glu	Tyr	Gln
				85					90					95	
Phe	Ser	Val	Asp	Gln	Leu	Met	Glu	Leu	Ala	Gly	Leu	Ser	Cys	Ala	Thr
			100					105					110		
Ala	Ile	Ala	Lys	Ala	Tyr	Pro	Pro	Thr	Ser	Met	Ser	Arg	Ser	Pro	Pro
		115					120					125			
Thr	Val	Leu	Val	Ile	Cys	Gly	Pro	Gly	Asn	Asn	Gly	Gly	Asp	Gly	Leu
	130					135						140			
Val	Cys	Ala	Arg	His	Leu	Lys	Leu	Phe	Gly	Tyr	Glu	Pro	Thr	Ile	Tyr
145					150					155					160
Tyr	Pro	Lys	Arg	Pro	Asn	Lys	Pro	Leu	Phe	Thr	Ala	Leu	Val	Thr	Gln
				165					170					175	
Cys	Gln	Lys	Met	Asp	Ile	Pro	Phe	Leu	Gly	Glu	Met	Pro	Ala	Glu	Pro
			180					185					190		
Met	Thr	Ile	Asp	Glu	Leu	Tyr	Glu	Leu	Val	Val	Asp	Ala	Ile	Phe	Gly
	195					200						205			
Phe	Ser	Phe	Lys	Gly	Asp	Val	Arg	Glu	Pro	Phe	His	Ser	Ile	Leu	Ser
	210					215					220				
Val	Leu	Lys	Gly	Leu	Thr	Val	Pro	Ile	Ala	Ser	Ile	Asp	Ile	Pro	Ser
225					230					235				240	
Gly	Trp	Asp	Val	Glu	Lys	Gly	Asn	Ala	Gly	Gly	Ile	Gln	Pro	Asp	Leu
			245						250					255	

Leu Ile Ser Leu Thr Ala Pro Lys Lys Ser Ala Thr Gln Phe Thr Gly
 260 265 270
 Arg Tyr His Tyr Leu Gly Gly Arg Phe Val Pro Pro Ala Leu Glu Lys
 275 280 285
 Lys Tyr Gln Leu Asn Leu Pro Pro Tyr Pro Asp Thr Glu Cys Val Tyr
 290 295 300
 Arg Leu Gln
 305

<210> 365
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 365
 Lys Leu Arg Glu Met Val Met Gln Lys Asn Ile Leu Leu Trp Thr Ile
 1 5 10 15
 Phe Leu Lys His Lys Lys Asn Ala Gln Phe Cys Leu His Ser Leu Arg
 20 25 30
 Met Tyr Leu Ser Glu Asp Gln Asn Lys Gln Ser Arg Cys Ile Ser Thr
 35 40 45
 Arg Gln Lys Pro Ile Leu Lys Phe Pro
 50 55

<210> 366
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 366
 Met Trp Arg Val Pro Gly Thr Thr Arg Arg Pro Val Thr Gly Glu Ser
 1 5 10 15
 Leu Gly Cys Thr Gly Gln Arg His Ala Ala Ala Ala His Ala Cys Pro
 20 25 30
 Pro Gly Gly Pro His Leu Gly Arg Glu Asp Val Trp Pro Trp Arg Arg
 35 40 45
 Gln Val Phe Gln His His
 50

<210> 367
 <211> 85
 <212> PRT

<213> Homo sapiens

<400> 367

Met Lys Ile Pro Val Leu Pro Ala Val Val Leu Leu Ser Leu Leu Val
1 5 10 15
Leu His Ser Ala Gln Gly Ala Thr Leu Gly Gly Pro Glu Glu Glu Ser
20 25 30
Thr Ile Glu Asn Tyr Ala Ser Arg Pro Glu Ala Phe Lys Ala Asp Glu
35 40 45
Phe Leu Asn Trp His Ala Leu Phe Glu Ser Ile Lys Arg Lys Leu Pro
50 55 60
Phe Leu Asn Trp Asp Ala Phe Pro Lys Leu Lys Gly Leu Arg Ser Ala
65 70 75 80
Thr Pro Asp Ala Gln
85

<210> 368

<211> 334

<212> PRT

<213> Homo sapiens

<400> 368

Met Asn Leu Leu Leu Leu Leu Ala Val Leu Cys Leu Gly Thr Ala Leu
1 5 10 15
Ala Thr Pro Lys Phe Asp Gln Thr Phe Ser Ala Glu Trp His Gln Trp
20 25 30
Lys Ser Thr His Arg Arg Leu Tyr Gly Thr Asn Glu Glu Glu Trp Arg
35 40 45
Arg Ala Ile Trp Glu Lys Asn Met Arg Met Ile Gln Leu His Asn Gly
50 55 60
Glu Tyr Ser Asn Gly Gln His Gly Phe Ser Met Glu Met Asn Ala Phe
65 70 75 80
Gly Asp Met Thr Asn Glu Glu Phe Arg Gln Val Val Asn Gly Tyr Arg
85 90 95
His Gln Lys His Lys Lys Gly Arg Leu Phe Gln Glu Pro Leu Met Leu
100 105 110
Lys Ile Pro Lys Ser Val Asp Trp Arg Glu Lys Gly Cys Val Thr Pro
115 120 125
Val Lys Asn Gln Gly Gln Cys Gly Ser Cys Trp Ala Phe Ser Ala Ser
130 135 140
Gly Cys Leu Glu Gly Gln Met Phe Leu Lys Thr Gly Lys Leu Ile Ser

145		150		155		160
Leu Ser Glu Gln Asn	Leu Val Asp Cys Ser	His Ala Gln Gly Asn	Gln			
	165		170			175
Gly Cys Asn Gly Gly	Leu Met Asp Phe Ala Phe	Gln Tyr Ile Lys	Glu			
	180		185			190
Asn Gly Gly Leu Asp	Ser Glu Glu Ser Tyr Pro Tyr	Glu Ala Lys Asp				
	195		200			205
Gly Ser Cys Lys Tyr	Arg Ala Glu Phe Ala Val	Ala Asn Asp Thr	Gly			
	210		215			220
Phe Val Asp Ile Pro	Gln Gln Glu Lys Ala Leu Met	Lys Ala Val Ala				
	225		230			235
Thr Val Gly Pro Ile	Ser Val Ala Met Asp Ala Ser	His Pro Ser Leu				
	245		250			255
Gln Phe Tyr Ser Ser	Gly Ile Tyr Tyr Glu Pro Asn	Cys Ser Ser Lys				
	260		265			270
Asn Leu Asp His Gly	Val Leu Leu Val Gly Tyr Gly	Tyr Glu Gly Thr				
	275		280			285
Asp Ser Asn Lys Asn	Lys Tyr Trp Leu Val Lys Asn	Ser Trp Gly Ser				
	290		295			300
Glu Trp Gly Met Glu	Gly Tyr Ile Lys Ile Ala Lys	Asp Arg Asp Asn				
	305		310			315
His Cys Gly Leu Ala	Thr Ala Ala Ser Tyr Pro	Val Val Asn				
	325		330			

<210> 369
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (85)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 369
 Ala Phe Lys Ala Arg Ser Ala Phe Ser Val Leu Phe Cys Phe Ser Phe
 1 5 10 15
 Phe Phe Leu Ala Met Arg Ala Lys Ile Thr Glu Trp Xaa Leu Lys Arg
 20 25 30
 Glu Val Cys Phe Gln Leu Phe Xaa Phe Ala Arg Arg Trp Glu Gly Gly
 35 40 45
 Asp Cys Cys Val Leu Xaa Xaa Gly Met Ala Leu Leu Glu Cys Val Val
 50 55 60
 His Xaa His Gly Cys Phe Cys Val Leu Val Ala Ser Cys Cys Cys Phe
 65 70 75 80
 Leu Leu Val Trp Xaa Ser His Thr
 85

<210> 370
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 370
 Met Ser Leu Phe Val Leu Leu Phe Ala His Thr Arg Leu Cys Ser Ser
 1 5 10 15
 Val Phe Gly Asp Arg Tyr Leu Tyr Val Asp Leu Val Gly Gln Glu Lys
 20 25 30
 Leu Arg Cys Lys Lys Pro Thr Pro Gln His Ala Gly Phe Asn Gly Lys
 35 40 45
 Val Asp Gln Lys Asp Asn Lys Leu Gly Lys Leu Ile Asn Cys Val Leu
 50 55 60
 Leu Lys Ala Ile Cys Asp Phe Ile Leu Lys Ala Leu Gln Met Tyr Leu
 65 70 75 80

Ile Phe

<210> 371
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 371
Met Arg Met Lys Tyr Leu Trp Thr Ser His Met Cys Val Phe Ala Ser
1 5 10 15
Phe Gly Leu Cys Ser Pro Glu Ile Trp Glu Leu Leu Leu Lys Ser Val
20 25 30
His Leu Tyr Asn Pro Lys Arg Phe Trp Pro Gly Met Met Asp Glu Leu
35 40 45
Ser Glu Leu Arg Glu Phe Tyr Asp Pro Asp Thr Val Glu Leu Met Asn
50 55 60
Trp Ile Asn Ser Asn Thr Pro Arg Lys Ala Val Phe Ala Gly Ser Met
65 70 75 80
Gln Leu Leu Ala Gly Val Lys Leu Cys Thr Gly Arg Thr Leu Thr Asn
85 90 95
His Xaa His Tyr Glu Asp Ser Ser Leu Arg Glu Arg Thr Arg Ala Val
100 105 110
Tyr Gln Ile Tyr Ala Lys Arg Ala Pro Glu Xaa Ser Ala Cys Pro Pro
115 120 125
Lys Val Leu Arg His Trp Thr Thr
130 135

<210> 372
<211> 78
<212> PRT
<213> Homo sapiens

<400> 372
Leu Trp Leu Thr Ala Ser Leu Pro Gly Arg Ser Lys Arg Pro Ala Ala

1	5	10	15
Ala Ala Pro Arg His Ser Asp Leu Gly Gly Asp Asn Leu Lys Glu Trp	20	25	30
Leu Cys Phe Leu Leu Thr Glu Asn Pro Leu Asp Phe Ala Ser Glu Leu	35	40	45
Ala Val Arg Arg Pro Ser Lys Tyr Asn Arg Ser Ala Leu Asn Gly Leu	50	55	60
Cys Leu Cys Asp Ser Gln Ala Pro Glu Ser Pro Ser Leu Ser	65	70	75

<210> 373
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 373
Met Gly Arg Gly Trp Val Val Asp Gly Val Ser Val Val Ser Cys Gly
1 5 10 15
Arg Val Ile Leu Leu Leu Phe Leu Phe His Ile Leu Pro Pro Pro Gln
20 25 30
Ala Lys Val Val Ser Phe Gly Phe His Cys Val Asp Cys Ala Gly Ala
35 40 45
Trp Arg Leu Pro Glu Lys Phe Gly Ala Arg Gln Ala Pro Gly Cys Arg
50 55 60
His Gly Glu Ala Glu Lys Leu Phe Phe Trp Phe Leu His Asn Leu Arg
65 70 75 80
Gly Ala Lys Thr Leu Pro Arg Lys Glu Glu Gly Val Gln Glu Pro Asp
85 90 95
Phe Trp Arg Glu Gly Ser Ser Gln Pro Ala Gly
100 105

<210> 374
 <211> 146
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE

<222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 374
 Met Ile Ile Ser Thr Ile Gly Glu Ile Ala Leu Xaa Xaa Leu Asn Ile
 1 5 10 15
 Leu Gly Ile Asn Phe Leu Gly Arg Arg Leu Ser Leu Ser Ile Thr Met
 20 25 30
 Gly Cys Thr Ala Leu Phe Cys Leu Leu Leu Asn Ile Cys Thr Ser Ser
 35 40 45
 Ala Gly Leu Ile Gly Phe Leu Phe Met Leu Arg Ala Leu Val Ala Ala
 50 55 60
 Asn Phe Asn Thr Val Tyr Ile Tyr Thr Ala Glu Val Tyr Pro Thr Thr
 65 70 75 80
 Met Arg Ala Leu Gly Met Gly Thr Ser Gly Ser Leu Cys Arg Ile Gly
 85 90 95
 Ala Met Val Ala Pro Phe Ile Ser Gln Val Leu Met Ser Ala Ser Ile
 100 105 110
 Leu Gly Ala Leu Cys Leu Phe Ser Ser Val Cys Val Val Cys Ala Ile
 115 120 125
 Ser Ala Phe Thr Leu Pro Ile Glu Thr Lys Gly Arg Ala Leu Gln Xaa
 130 135 140

 Ile Lys
 145

<210> 375
 <211> 205
 <212> PRT
 <213> Homo sapiens

<400> 375
 Met Ala Val Val Phe Ser Thr Leu Val Cys Leu Ser Arg Leu Tyr Thr
 1 5 10 15
 Gly Met His Thr Val Leu Asp Val Leu Gly Gly Val Leu Ile Thr Ala
 20 25 30
 Leu Leu Ile Val Leu Thr Tyr Pro Ala Trp Thr Phe Ile Asp Cys Leu
 35 40 45
 Asp Ser Ala Ser Pro Leu Phe Pro Val Cys Val Ile Val Val Pro Phe

50		55		60
Phe 65	Leu Cys Tyr Asn Tyr	Pro Val Ser Asp Tyr	Tyr Ser Pro Thr Arg	
		70	75	80
Ala 85	Asp Thr Thr Thr Ile Leu	Ala Ala Gly Ala Gly	Val Thr Ile Gly	
		90	95	
Phe 100	Trp Ile Asn His Phe Phe	Gln Leu Val Ser Lys	Pro Ala Glu Ser	
		105	110	
Leu 115	Pro Val Ile Gln Asn Ile	Pro Pro Leu Thr Thr	Tyr Met Leu Val	
		120	125	
Leu 130	Gly Leu Thr Lys Phe Ala	Val Gly Ile Val Leu	Ile Leu Leu Val	
		135	140	
Arg 145	Gln Leu Val Gln Asn Leu	Ser Leu Gln Val Leu	Tyr Ser Trp Phe	
		150	155	160
Lys 165	Val Val Thr Arg Asn Lys	Glu Ala Arg Arg Arg	Leu Glu Ile Glu	
		170	175	
Val 180	Pro Tyr Lys Phe Val Thr	Tyr Thr Ser Val Gly	Ile Cys Ala Thr	
		185	190	
Thr 195	Phe Val Pro Met Leu His	Arg Phe Leu Gly Leu	Pro	
		200	205	

<210> 376
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 376
 Met 1 Leu 5 Pro Arg Gly Arg Pro Arg Ala 10 Leu Gly Ala Ala Ala 15 Leu Leu
 Leu Leu Leu Xaa Xaa Leu Gly Phe Leu Xaa Phe Gly Gly Asp Leu Gly
 20 25 30

Cys Glu Arg Arg Glu Pro Gly Gly Arg Ala Gly Ala Pro Gly Cys Phe
 35 40 45
 Pro Gly Pro Leu Met Pro Arg Val Pro Pro Asp Gly Arg Leu Arg Arg
 50 55 60
 Ala Ala Ala Leu Asp Gly Asp Pro Gly Ala Gly Pro Gly Asp His Asn
 65 70 75 80
 Arg Ser Asp Cys Gly Pro Gln Pro Pro Pro Pro Lys Cys Glu Val
 85 90 95
 Gly Ala Arg Gly Pro Gly Gly Gly Ser Pro Gly Gly Ala Ala Pro Glu
 100 105 110
 Pro Gly Leu Leu Asp Ile Cys Gly Asn His Ser Thr Trp
 115 120 125

<210> 377
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 377
 Met Ile Leu Trp Arg Arg Arg His Thr Leu Val Phe Arg Leu Phe Ser
 1 5 10 15
 Phe Phe Ala Leu Val Ser Pro His Leu Cys Asp Phe Ile Tyr Leu Trp
 20 25 30
 Ser Leu Met Met Val Thr Tyr Arg Trp Gly Phe Gly Val Asp Ile Leu
 35 40 45
 Phe Val Asp Val Asp Ala Ile Pro Phe Cys Leu Leu Val Phe Leu Leu
 50 55 60
 Thr Val Arg Ser Leu Ser Gly Arg Ser Val Gly Val Ala Gly Gly Pro
 65 70 75 80
 Leu Pro Thr Leu Phe Ala Trp Val Ser Pro Val Glu Ala Ala Glu Gln
 85 90 95
 Gln Ile Leu

<210> 378
 <211> 135
 <212> PRT
 <213> Homo sapiens

<400> 378
 Met Ala Trp Trp Pro Asn Ser Thr Cys Trp Leu Leu Thr Ala Val Thr

1	5	10	15
Met Ala Leu Ala Thr Arg Cys Val Pro Gln Glu Leu Pro Ser Gly Ser	20	25	30
Glu Val Pro Gly Leu Glu Ala Val Gln Val Val Arg Ser Gly Leu Ala	35	40	45
Gly Pro His Arg Cys Ser Cys Arg His Pro Val Leu Ala Leu Thr Gly	50	55	60
Gly Arg Asp Thr Gln Gly Pro Gly Ala Ser Gly Pro Val Leu Gln Trp	65	70	75
Pro Pro Leu Leu Ser Gln Arg Val Gln Ala Trp Leu Leu Lys Ala Met	85	90	95
Cys Leu Arg Leu Thr Leu Lys Arg Ala Cys Gln Ala Ala Pro Gly Gly	100	105	110
Ser Ser His Gly Gly Arg Cys Pro Ala Val Cys Trp Pro Pro Gly Gly	115	120	125
Arg Asp Gly Arg Gly Ala Ala	130	135	

<210> 379
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 379
 Met Gly Phe Ser Pro Cys Ile Phe Trp Gly Arg Gly Leu Phe Ser Ala
 1 5 10 15
 Thr Ser Trp Gly Leu Leu Pro Phe Ala Val Pro Ile Thr Thr Val Val
 20 25 30
 Gly Arg Pro Ile Pro Val Pro Gln Arg Leu His Pro Thr Glu Glu Glu
 35 40 45
 Val Asn His Tyr His Ala Leu Tyr Met Thr Ala Leu Glu Gln Leu Phe
 50 55 60
 Glu Glu His Lys Glu Ser Cys Gly Val Pro Ala Ser Thr Cys Leu Thr
 65 70 75 80
 Phe Ile

<210> 380
 <211> 370
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 380

Arg	Arg	Gly	Ala	Gly	Leu	Arg	Leu	His	Gln	Pro	Thr	Arg	Ser	Gln	Pro
1				5					10					15	
Cys	Thr	Gln	Arg	Asp	Val	Lys	Asp	Ala	Leu	Ser	Arg	Val	Gln	Ala	Ala
			20					25					30		
Pro	Ala	Cys	Trp	Leu	Ala	Cys	Pro	Pro	Ala	Cys	Ser	Thr	Arg	Pro	Ala
		35					40					45			
Cys	Ser	Met	Thr	Leu	Trp	Asn	Gly	Val	Leu	Pro	Phe	Tyr	Pro	Gln	Pro
	50					55					60				
Arg	His	Ala	Ala	Gly	Phe	Ser	Val	Pro	Leu	Leu	Ile	Val	Ile	Leu	Val
65					70					75					80
Phe	Leu	Ala	Leu	Ala	Ala	Ser	Phe	Leu	Leu	Ile	Leu	Pro	Gly	Ile	Arg
				85					90					95	
Gly	His	Ser	Arg	Trp	Phe	Trp	Leu	Val	Arg	Val	Leu	Leu	Ser	Leu	Phe
			100					105						110	
Ile	Gly	Ala	Glu	Ile	Val	Ala	Val	His	Phe	Ser	Ala	Glu	Trp	Phe	Val
		115					120					125			
Gly	Thr	Val	Asn	Thr	Asn	Thr	Ser	Tyr	Lys	Ala	Phe	Ser	Ala	Ala	Arg
	130					135					140				
Val	Thr	Ala	Arg	Val	Gly	Leu	Leu	Val	Gly	Leu	Xaa	Gly	Ile	Asn	Ile
145					150					155					160
Thr	Leu	Thr	Gly	Thr	Pro	Val	His	Gln	Leu	Asn	Glu	Thr	Ile	Asp	Tyr
				165					170					175	
Asn	Glu	Gln	Phe	Thr	Trp	Arg	Leu	Lys	Glu	Asn	Tyr	Ala	Ala	Glu	Tyr
			180					185					190		
Ala	Asn	Ala	Leu	Glu	Lys	Gly	Leu	Pro	Asp	Pro	Val	Leu	Tyr	Leu	Ala
		195					200					205			
Glu	Lys	Phe	Thr	Pro	Ser	Ser	Pro	Cys	Gly	Leu	Tyr	His	Gln	Tyr	His
	210					215						220			
Leu	Ala	Gly	His	Tyr	Ala	Ser	Ala	Thr	Leu	Trp	Val	Ala	Phe	Cys	Phe
225					230					235					240
Trp	Leu	Leu	Ser	Asn	Val	Leu	Leu	Ser	Thr	Pro	Ala	Pro	Leu	Tyr	Gly
				245					250					255	
Gly	Leu	Ala	Leu	Leu	Thr	Thr	Gly	Ala	Phe	Ala	Leu	Phe	Gly	Val	Phe

260	265	270
Ala Leu Ala Ser Ile Ser Ser Val Pro Leu Cys Pro Leu Arg Leu Gly		
275	280	285
Ser Ser Ala Leu Thr Thr Gln Tyr Gly Ala Ala Phe Trp Val Thr Leu		
290	295	300
Ala Thr Gly Val Leu Cys Leu Phe Leu Gly Gly Ala Val Val Ser Leu		
305	310	315
Gln Tyr Val Arg Pro Ser Ala Leu Arg Thr Leu Leu Asp Gln Ser Ala		
325	330	335
Lys Asp Cys Ser Gln Glu Arg Gly Gly Ser Pro Leu Ile Leu Gly Asp		
340	345	350
Pro Leu His Lys Gln Ala Ala Leu Pro Asp Leu Lys Cys Ile Thr Thr		
355	360	365
Asn Leu		
370		

<210> 381
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 381
Met Thr Arg Ala Pro Leu Leu Leu Leu Cys Val Ala Leu Val Leu Leu
1 5 10 15
Gly His Val Asn Gly Ala Thr Val Arg Asn Glu Asp Lys Trp Lys Pro
20 25 30
Leu Asn Asn Pro Arg Asn Arg Asp Leu Phe Phe Arg Arg Leu Gln Ala
35 40 45
Tyr Phe Lys Gly Arg Gly Leu Asp Leu Gly Thr Phe Pro Asn Pro Phe
50 55 60
Pro Thr Asn Glu Asn Pro Arg Pro Leu Ser Phe Gln Ser Glu Leu Thr
65 70 75 80
Ala Ser Ala Ser Ala Asp Tyr Glu Glu Gln Lys Asn Ser Phe His Asn
85 90 95
Tyr Leu Lys Gly
100

<210> 382
 <211> 59
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382

Phe Leu Gln Lys Glu Cys Cys Xaa Lys Met Gln His Cys Pro Asn Ile
1 5 10 15

Ser Leu Cys Ile Ser Lys Tyr Phe Asn Val Ala Phe Leu Gly Gly Leu
20 25 30

Leu Ile Leu Tyr Met Lys Asn Lys Ile Phe Val Gln Glu Pro Lys Lys
35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55

<210> 383

<211> 151

<212> PRT

<213> Homo sapiens

<400> 383

Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
1 5 10 15

Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
20 25 30

Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
35 40 45

Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
50 55 60

Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln
65 70 75 80

Gly Arg Gly Pro Ile Leu Pro Gly Thr Lys Ala Trp Met Glu Thr Glu
85 90 95

Asp Thr Leu Gly Arg Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu
100 105 110

Tyr His Pro Pro Pro Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg Leu
115 120 125

Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp Gln
130 135 140

Asp Pro Ile Phe Pro Pro Gln
145 150

<210> 384
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 384
 Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
 1 5 10 15
 Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
 20 25 30
 Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
 35 40 45
 Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
 50 55 60
 Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln
 65 70 75 80
 Gly Arg Gly Pro Ile Leu Pro Gly Thr Lys Ala Trp Met Glu Thr Glu
 85 90 95
 Asp Thr Leu Gly Arg Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu
 100 105 110
 Tyr His Pro Pro Pro Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg Leu
 115 120 125
 Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp Gln
 130 135 140
 Asp His Ile Tyr His Pro Gln
 145 150

<210> 385
 <211> 142
 <212> PRT
 <213> Homo sapiens

<400> 385
 Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
 1 5 10 15
 Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
 20 25 30
 Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
 35 40 45
 Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro

50 55 60
 Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Thr
 65 70 75 80
 Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg Val Leu Ser Pro
 85 90 95
 Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro Glu Glu Asp Gln
 100 105 110
 Gly Glu Glu Arg Pro Arg Leu Trp Val Met Pro Asn His Gln Val Leu
 115 120 125
 Leu Gly Pro Glu Glu Asp Gln Asp His Ile Tyr His Pro Gln
 130 135 140

<210> 386
 <211> 142
 <212> PRT
 <213> Homo sapiens

<400> 386
 Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
 1 5 10 15
 Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
 20 25 30
 Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
 35 40 45
 Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
 50 55 60
 Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Thr
 65 70 75 80
 Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg Val Leu Ser Pro
 85 90 95
 Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro Glu Glu Asp Gln
 100 105 110
 Gly Glu Glu Arg Pro Arg Leu Trp Val Met Pro Asn His Gln Val Leu
 115 120 125
 Leu Gly Pro Glu Glu Asp Gln Asp His Ile Tyr His Pro Gln
 130 135 140

<210> 387
 <211> 134
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 387

Met	Leu	Val	Thr	Ala	Tyr	Leu	Ala	Phe	Val	Gly	Leu	Leu	Ala	Ser	Cys
1				5					10					15	
Leu	Gly	Leu	Glu	Leu	Ser	Arg	Cys	Arg	Ala	Lys	Pro	Pro	Gly	Arg	Ala
			20					25					30		
Cys	Ser	Asn	Pro	Ser	Phe	Leu	Arg	Phe	Gln	Leu	Asp	Phe	Tyr	Gln	Val
		35					40					45			
Tyr	Phe	Leu	Ala	Leu	Ala	Ala	Asp	Trp	Leu	Gln	Ala	Pro	Tyr	Leu	Tyr
	50					55					60				
Lys	Leu	Tyr	Gln	His	Tyr	Tyr	Phe	Leu	Glu	Gly	Gln	Ile	Ala	Ile	Leu
65					70					75					80
Tyr	Val	Cys	Gly	Leu	Ala	Ser	Thr	Val	Leu	Phe	Gly	Leu	Val	Ala	Ser
				85					90					95	
Ser	Leu	Val	Asp	Xaa	Leu	Gly	Arg	Lys	Asn	Ser	Cys	Val	Leu	Phe	Ser
			100					105					110		
Leu	Thr	Tyr	Ser	Leu	Cys	Cys	Leu	Thr	Lys	Leu	Ser	Gln	Asp	Tyr	Phe
		115					120						125		
Val	Leu	Leu	Val	Gly	Arg										
			130												

<210> 388

<211> 450

<212> PRT

<213> Homo sapiens

<400> 388

Met	Leu	Val	Thr	Ala	Tyr	Leu	Ala	Phe	Val	Gly	Leu	Leu	Ala	Ser	Cys
1				5					10					15	
Leu	Gly	Leu	Glu	Leu	Ser	Arg	Cys	Arg	Ala	Lys	Pro	Pro	Gly	Arg	Ala
			20					25					30		
Cys	Ser	Asn	Pro	Ser	Phe	Leu	Arg	Phe	Gln	Leu	Asp	Phe	Tyr	Gln	Val
		35					40					45			
Tyr	Phe	Leu	Ala	Leu	Ala	Ala	Asp	Trp	Leu	Gln	Ala	Pro	Tyr	Leu	Tyr
	50					55					60				
Lys	Leu	Tyr	Gln	His	Tyr	Tyr	Phe	Leu	Glu	Gly	Gln	Ile	Ala	Ile	Leu
65					70					75					80

Tyr Val Cys Gly Leu Ala Ser Thr Val Leu Phe Gly Leu Val Ala Ser
85 90 95
Ser Leu Val Asp Trp Leu Gly Arg Lys Asn Ser Cys Val Leu Phe Ser
100 105 110
Leu Thr Tyr Ser Leu Cys Cys Leu Thr Lys Leu Ser Gln Asp Tyr Phe
115 120 125
Val Leu Leu Val Gly Arg Ala Leu Gly Gly Leu Ser Thr Ala Leu Leu
130 135 140
Phe Ser Ala Phe Glu Ala Trp Tyr Ile His Glu His Val Glu Arg His
145 150 155 160
Asp Phe Pro Ala Glu Trp Ile Pro Ala Thr Phe Ala Arg Ala Ala Phe
165 170 175
Trp Asn His Val Leu Ala Val Val Ala Gly Val Ala Ala Glu Ala Val
180 185 190
Ala Ser Trp Ile Gly Leu Gly Pro Val Ala Pro Phe Val Ala Ala Ile
195 200 205
Pro Leu Leu Ala Leu Ala Gly Ala Leu Ala Leu Arg Asn Trp Gly Glu
210 215 220
Asn Tyr Asp Arg Gln Arg Ala Phe Ser Arg Thr Cys Ala Gly Gly Leu
225 230 235 240
Arg Cys Leu Leu Ser Asp Arg Arg Val Leu Leu Leu Gly Thr Ile Gln
245 250 255
Ala Leu Phe Glu Ser Val Ile Phe Ile Phe Val Phe Leu Trp Thr Pro
260 265 270
Val Leu Asp Pro His Gly Ala Pro Leu Gly Ile Ile Phe Ser Ser Phe
275 280 285
Met Ala Ala Ser Leu Leu Gly Ser Ser Leu Tyr Arg Ile Ala Thr Ser
290 295 300
Lys Arg Tyr His Leu Gln Pro Met His Leu Leu Ser Leu Ala Val Leu
305 310 315 320
Ile Val Val Phe Ser Leu Phe Met Leu Thr Phe Ser Thr Ser Pro Gly
325 330 335
Gln Glu Ser Pro Val Glu Ser Phe Ile Ala Phe Leu Leu Ile Glu Leu
340 345 350
Ala Cys Gly Leu Tyr Phe Pro Ser Met Ser Phe Leu Arg Arg Lys Val
355 360 365
Ile Pro Glu Thr Glu Gln Ala Gly Val Leu Asn Trp Phe Arg Val Pro
370 375 380

Leu His Ser Leu Ala Cys Leu Gly Leu Leu Val Leu His Asp Ser Asp
 385 390 395 400
 Arg Lys Thr Gly Thr Arg Asn Met Phe Ser Ile Cys Ser Ala Val Met
 405 410 415
 Val Met Ala Leu Leu Ala Val Val Gly Leu Phe Thr Val Val Arg His
 420 425 430
 Asp Ala Glu Leu Arg Val Pro Ser Pro Thr Glu Glu Pro Tyr Ala Pro
 435 440 445
 Glu Leu
 450

<210> 389
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 389
 Leu Phe Met Leu Thr Phe Ser Thr Ser Pro Gly Gln Glu Ser Pro Val
 1 5 10 15
 Glu Ser Phe Ile Ala Phe Leu Leu Ile Glu Leu Ala Cys Gly Leu Tyr
 20 25 30
 Phe Pro Ser Met Ser Phe Leu Arg Arg Lys Val Ile Pro Glu Thr Glu
 35 40 45
 Gln Ala Gly Val Leu Asn Trp Phe Arg Val Pro Leu His Ser Leu Ala
 50 55 60
 Cys Leu Gly Leu Leu Val Leu His Asp Ser Asp Arg Lys Thr Gly Thr
 65 70 75 80
 Arg Asn Met Phe Ser Ile Cys Ser Ala Val Met Val Met Ala Leu Leu
 85 90 95
 Ala Val Val Gly Leu Phe Thr Val Val Arg His Asp Ala Glu Leu Arg
 100 105 110
 Val Pro Ser Pro Thr Glu Glu Pro Tyr Ala Pro Glu Leu
 115 120 125

<210> 390
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 390
 Trp Val Pro Arg Glu Lys Val Ala Thr Pro Gly Gln Gln Pro Pro Thr

1 5 10 15
 Leu Asn Tyr Arg Gln His Arg Arg Pro Pro Gly Thr Ala Pro Ala Leu
 20 25 30
 Trp Ala Glu Lys Glu Gly Arg Leu Gly Glu Glu Glu Glu Val Glu Cys
 35 40 45
 Arg Trp Arg Ser Ala Ser Phe Cys Ser Arg Gly Phe Met Gly Phe Lys
 50 55 60
 Tyr Asp Asp Ala Ala Leu Arg Arg Cys Thr Val
 65 70 75

<210> 391
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 391
 Met Pro Leu Leu Gly Ile Cys Ala Leu Gly Leu Gln Ala Glu Gly Asp
 1 5 10 15
 His Glu Leu Leu Trp Gly Tyr Lys Asp Glu Ile Leu Ser Leu Ile His
 20 25 30
 Val Phe Arg Pro Asp Ile Ser Pro Tyr Phe Gly Leu Phe Tyr Glu Lys
 35 40 45
 Asn Gly Thr Asn Asp Gly Asp Tyr Val Phe Leu Thr Gly Glu Asp Ser
 50 55 60
 Tyr Leu Asn Phe Thr Lys Ile Val Glu Trp Asn Gly Lys Thr Ser Leu
 65 70 75 80
 Asp Trp Trp Ile Thr Asp Lys Cys Asn Met Ile Asn Gly Thr Asp Gly
 85 90 95
 Asp Ser Phe His Pro Leu Ile Thr Lys Asp Glu Val Leu Tyr Val Phe
 100 105 110
 Pro Ser Asp Phe Cys Arg Ser Val Tyr Ile Thr Phe Ser Asp Tyr Glu
 115 120 125
 Ser Val Gln Gly Leu Pro Ala Phe Arg Tyr Lys Val Pro Ala Glu Ile
 130 135 140
 Leu Ala Asn Thr Ser Asp Asn Ala Gly Phe Cys Ile Pro Glu Gly Asn
 145 150 155 160
 Cys Leu Gly Ser Gly Val Leu Asn Val Ser Ile Cys Lys Asn Gly Ala
 165 170 175
 Pro Ile Ile Met Ser Phe Pro His Phe Tyr Gln Ala Asp Glu Arg Phe
 180 185 190

Val Ser Ala Ile Glu Gly Met His Pro Asn Gln Glu Asp His Glu Thr
 195 200 205
 Phe Val Asp Ile Asn Pro Leu Thr Gly Ile Ile Leu Lys Ala Ala Lys
 210 215 220
 Arg Phe Gln Ile Asn Ile Tyr Val Lys Lys Leu Asp Asp Phe Val Glu
 225 230 235 240
 Thr Gly Asp Ile Arg Thr Met Val Phe Pro Val Met Tyr Leu Asn Glu
 245 250 255
 Ser Val His Ile Asp Lys Glu Thr Ala Ser Arg Leu Lys Ser Met Ile
 260 265 270
 Asn Thr Thr Leu Ile Ile Thr Asn Ile Pro Tyr Ile Ile Met Ala Leu
 275 280 285
 Gly Val Phe Phe Gly Leu Val Phe Thr Trp Leu Ala Cys Lys Gly Gln
 290 295 300
 Gly Ser Met Asp Glu Gly Thr Ala Asp Glu Arg Ala Pro Leu Ile Arg
 305 310 315 320
 Thr

<210> 392
 <211> 449
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (372)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (443)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 392
 Thr Trp Arg Thr Val Arg Phe Ser Ser Phe Leu Gly Lys Cys Pro Thr
 1 5 10 15
 Gly Trp His His Tyr Glu Gly Thr Ala Ser Cys Tyr Arg Val Tyr Leu
 20 25 30
 Ser Gly Glu Asn Tyr Trp Asp Ala Ala Gln Thr Cys Gln Arg Leu Asn
 35 40 45
 Gly Ser Leu Ala Thr Phe Ser Thr Asp Gln Glu Leu Arg Phe Val Leu
 50 55 60

Ala	Gln	Glu	Trp	Asp	Gln	Pro	Glu	Arg	Ser	Phe	Gly	Trp	Lys	Asp	Gln	65	70	75	80
Arg	Lys	Leu	Trp	Val	Gly	Tyr	Gln	Tyr	Val	Ile	Thr	Gly	Arg	Asn	Arg	85	90	95	
Ser	Leu	Glu	Gly	Arg	Trp	Glu	Val	Ala	Phe	Lys	Gly	Ser	Ser	Glu	Val	100	105	110	
Phe	Leu	Pro	Pro	Asp	Pro	Ile	Phe	Ala	Ser	Ala	Met	Ser	Glu	Asn	Asp	115	120	125	
Asn	Val	Phe	Cys	Ala	Gln	Leu	Gln	Cys	Phe	His	Phe	Pro	Thr	Leu	Arg	130	135	140	
His	His	Asp	Leu	His	Ser	Trp	His	Ala	Glu	Ser	Cys	Tyr	Glu	Lys	Ser	145	150	155	160
Ser	Phe	Leu	Cys	Lys	Arg	Ser	Gln	Thr	Cys	Val	Asp	Ile	Lys	Asp	Asn	165	170	175	
Val	Val	Asp	Glu	Gly	Phe	Tyr	Phe	Thr	Pro	Lys	Gly	Asp	Asp	Pro	Cys	180	185	190	
Leu	Ser	Cys	Thr	Cys	His	Gly	Gly	Glu	Pro	Glu	Met	Cys	Val	Ala	Ala	195	200	205	
Leu	Cys	Glu	Arg	Pro	Gln	Gly	Cys	Gln	Gln	Tyr	Arg	Lys	Asp	Pro	Lys	210	215	220	
Glu	Cys	Cys	Lys	Phe	Met	Cys	Leu	Asp	Pro	Asp	Gly	Asn	Ser	Leu	Phe	225	230	235	240
Asp	Ser	Met	Ala	Ser	Gly	Met	Arg	Leu	Val	Val	Ser	Cys	Ile	Ser	Ser	245	250	255	
Phe	Leu	Ile	Leu	Ser	Leu	Leu	Leu	Phe	Met	Val	His	Arg	Leu	Arg	Gln	260	265	270	
Arg	Arg	Arg	Glu	Arg	Ile	Glu	Ser	Leu	Ile	Gly	Ala	Asn	Leu	His	His	275	280	285	
Phe	Asn	Leu	Gly	Arg	Arg	Ile	Pro	Gly	Phe	Asp	Tyr	Gly	Pro	Asp	Gly	290	295	300	
Phe	Gly	Thr	Gly	Leu	Thr	Pro	Leu	His	Leu	Ser	Asp	Asp	Gly	Glu	Gly	305	310	315	320
Gly	Thr	Phe	His	Phe	His	Asp	Pro	Pro	Pro	Pro	Tyr	Thr	Ala	Tyr	Lys	325	330	335	
Tyr	Pro	Asp	Ile	Gly	Gln	Pro	Asp	Asp	Pro	Pro	Pro	Pro	Tyr	Glu	Ala	340	345	350	
Ser	Ile	His	Pro	Asp	Ser	Val	Phe	Tyr	Asp	Pro	Ala	Asp	Asp	Asp	Ala	355	360	365	

Phe Glu Pro Xaa Glu Val Ser Leu Pro Ala Pro Gly Asp Gly Gly Ser
 370 375 380
 Glu Gly Ala Leu Leu Arg Arg Leu Glu Gln Pro Leu Pro Thr Ala Gly
 385 390 395 400
 Ala Ser Leu Ala Asp Leu Glu Asp Ser Ala Asp Ser Ser Ser Ala Leu
 405 410 415
 Leu Val Pro Pro Asp Pro Ala Gln Ser Gly Ser Thr Pro Ala Ala Glu
 420 425 430
 Ala Leu Pro Gly Gly Gly Arg His Ser Arg Xaa Ser Leu Asn Thr Val
 435 440 445

Val

<210> 393
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 393
 Ser His Ser Arg Val Ser Gly Ser Asn Gln Asn Cys Trp Gln Gly Asp
 1 5 10 15
 Ile Ser Met His Lys Cys Asp Pro Gln Lys Val Leu Val Val Phe Val
 20 25 30
 Thr Phe Cys Lys Ala Phe Phe Tyr Ile Tyr Phe Cys Ala His Phe Phe
 35 40 45
 Leu Arg Phe Phe Arg Lys Gln Met Tyr Phe Lys Ile Tyr Leu
 50 55 60

<210> 394
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 394
 Ser Phe Arg Asn Thr Val Ile Leu Asn Lys Pro Leu Pro Ile His Leu
 1 5 10 15
 Ser Pro Ile Arg Cys Val Phe Ser Thr Ile Lys His Leu Tyr Cys Asp
 20 25 30
 Leu Ile Lys Tyr Ile Phe Gly Cys Ser Gln
 35 40

<210> 395
 <211> 193
 <212> PRT
 <213> Homo sapiens

<400> 395
 Ser Cys Cys Cys Ser Cys Cys Cys Cys Pro Ser Gly Ala Lys Pro Thr
 1 5 10 15
 Gln Ala Ala Thr Gly Ser Gln Gly Cys Pro Ala Cys Pro Gly His Gln
 20 25 30
 Gly Arg Met Gly Thr Thr Asp Cys Arg Gly Pro Arg Gly Ser Gln Glu
 35 40 45
 Ser Gln Pro Phe Pro Gly Ser Glu Asp Pro Lys Gly Arg Tyr Lys Gln
 50 55 60
 Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln Thr His Gln Pro Pro
 65 70 75 80
 Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val Leu Thr Asn Pro Gln
 85 90 95
 Gly Asp Tyr Asp Thr Ser Thr Gly Lys Phe Thr Cys Lys Val Pro Gly
 100 105 110
 Leu Tyr Tyr Phe Val Tyr His Ala Ser His Thr Ala Asn Leu Cys Val
 115 120 125
 Leu Leu Tyr Arg Ser Gly Val Lys Val Val Thr Phe Cys Gly His Thr
 130 135 140
 Ser Lys Thr Asn Gln Val Asn Ser Gly Gly Val Leu Leu Arg Leu Gln
 145 150 155 160
 Val Gly Glu Glu Val Trp Leu Ala Val Asn Asp Tyr Tyr Asp Met Val
 165 170 175
 Gly Ile Gln Gly Ser Asp Ser Val Phe Ser Gly Phe Leu Leu Phe Pro
 180 185 190

Asp

<210> 396
 <211> 186
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 396

Gln Lys Gly Trp Xaa Ser Ser Gly Ser Ser Cys Arg Ile Ser Gly Arg
1 5 10 15

Cys Ala Leu Ser Arg Met Gly Glu Ser Ile Phe Thr Val Val Tyr Phe
20 25 30

Gly Lys Glu Glu Ile Asn Glu Val Lys Gly Ile Leu Glu Asn Thr Xaa
35 40 45

Lys Ala Ala Asn Phe Arg Asn Phe Thr Phe Ile Gln Leu Asn Gly Glu
50 55 60

Phe Ser Arg Gly Lys Gly Leu Asp Val Gly Ala Arg Phe Trp Lys Gly
65 70 75 80

Ser Asn Val Leu Leu Phe Phe Cys Asp Val Asp Ile Tyr Phe Pro Ser
85 90 95

Glu Phe Leu Asn Thr Cys Arg Leu Asn Thr Gln Pro Gly Lys Lys Val
100 105 110

Phe Tyr Pro Val Leu Phe Ser Gln Tyr Asn Pro Gly Ile Ile Tyr Gly
115 120 125

His His Asp Ala Val Pro Pro Leu Glu Gln Gln Leu Val Ile Lys Lys
130 135 140

Glu Thr Gly Phe Trp Arg Asp Phe Gly Phe Gly Met Thr Cys Gln Tyr
145 150 155 160

Arg Ser Asp Phe Ile Asn Ile Gly Arg Thr Asn Leu His Leu Tyr Cys
165 170 175

His Pro Glu Ala Thr Gly Pro Cys Arg Pro
180 185